

**2021 ANNUAL GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT**

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

January 31, 2022

Prepared for

Mississippi Power Company
Gulfport, Mississippi

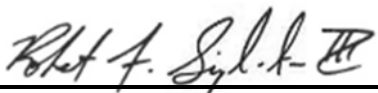
By

Southern Company Services
Earth Science and Environmental Engineering



CERTIFICATION STATEMENT

This *2021 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.



Robert F. Singleton III, PG

Originator

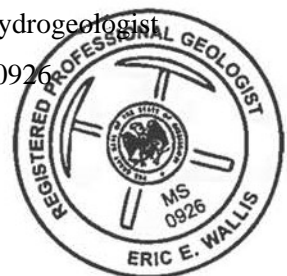
MS Registered PG No. 1015



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Supervising Principal Hydrogeologist

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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 *2021 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document 2021 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, 2021

Beginning Status: Assessment

Ending Status: Assessment

STATISTICAL ANALYSIS RESULTS*

Appendix III SSIs

Parameter	Wells
Boron	MW-3
Calcium	MW-3, MW-7, MW-9
Chloride	MW-2 (upgradient), MW-6, MW-9, MW-10 (upgradient)
Fluoride	MW-3
pH	None
Sulfate	MW-3, MW-5, MW-8
TDS	MW-3

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 *2021 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 2021 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 2021; 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 2021 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 2021, and the semi-annual monitoring event was repeated in October 2021 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 - 2021**. 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 2021 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 - 2021**. 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 $\left(\frac{feet}{day}\right)$

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

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 0.0013 ft/ft to 0.0021 ft/ft. As presented on **Table 3**, groundwater flow velocity at the site ranges from approximately 0.16 feet/day (or approximately 60.01 feet/year) to 0.27 feet/day (or approximately 96.78

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 2021 sampling events.

An RPD greater than 20% was noted for Total Dissolved Solids (TD) in calculations for MW-8 and Dup-01 from the first semi-annual sampling event in March 2021. 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 “(+)J.” When the difference of the original sample and field duplicate results are greater than the RL, the results are qualified with “(+)J.” However, the results for MW-8 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.

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 2021 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-3: Boron, Calcium, Sulfate, TDS
- MW-9: Calcium, Chloride

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

- MW-2 (upgradient): Chloride
- MW-3: Calcium, Fluoride, Sulfate
- MW-5: Sulfate

- MW-6: Chloride
- MW-7: Calcium
- MW-8: Sulfate
- MW-9: Chloride
- MW-10 (upgradient): Chloride

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 sampling events conducted in 2021 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 2021 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 2021, and the semi-annual monitoring was repeated in October 2021 pursuant to 40 CFR § 257.95(f). Statistical evaluations of the 2021 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:

- The first semi-annual assessment monitoring event is planned for March or April 2022.
- The second semi-annual assessment monitoring event is planned for September or October 2022.
- Submit the 2022 Annual Groundwater and Corrective Report by January 31, 2023.

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.
- USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March.
- USEPA. 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. *40 CFR Parts 257 and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule.* [EPA-HQ-RCRA-2009-0640; FRL-9919-44-OSWER]. RIN-2050-AE81. April.
- USEPA. 2011. *Data Validation Standard Operating Procedures.* Science and Ecosystem Support Division. Region IV. Athens, GA. September.
- USEPA. 2017. National Functional Guidelines for Inorganic Superfund Methods Data Review. Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January.
- Wasson, B.E., 1978, Availability of additional ground-water supplies in the Pascagoula area, Mississippi: Mississippi Research and Development Center Bulletin, 32 p.

Tables

**Table 1.
Monitoring Well Network Summary**

Well ID	Purpose	Installation Date	Northing	Easting	Total Hole Depth (feet)	Top of Casing Elevation (feet MSL)	Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)
MW-11	Upgradient	5/2/2006	384797.922	1068943.907	32.00	25.24	23.22	-3.78	-8.78
MW-14	Upgradient	7/24/2015	384048.468	1068916.529	47.00	23.65	20.87	-11.83	-16.83
MW-15	Downgradient	7/24/2015	383503.877	1068571.153	37.00	21.53	18.69	-12.61	-17.61
MW-16	Downgradient	7/24/2015	383593.548	1067845.867	28.00	16.12	13.16	-6.94	-11.94
MW-17	Downgradient	7/24/2015	384781.265	1067808.459	27.00	15.41	12.59	-7.91	-12.91
MW-18	Upgradient	7/24/2015	385290.588	1068774.386	47.00	28.86	26.33	-10.27	-15.27
MW-19	Downgradient	7/26/2016	384157.41	1067711.624	30.00	24.42	21.56	-3.04	-8.04

Notes:

1. Northing and Easting are referenced to MS SPCS (NAD 83) East Zone U.S. Survey Feet (2301).
2. Elevations shown are referenced Mean Sea Level (MSL) to NAVD 88 (G12) U.S. Survey Feet.
3. MSL refers to Mean Sea Level.

Table 2.
Groundwater Elevations Summary - 2021

Well ID	Top of Casing Elevation (feet MSL)	Groundwater Elevations (feet MSL)	
		March 15, 2021	October 4, 2021
MW-11	25.24	11.96	13.99
MW-14	23.65	10.85	12.35
MW-15	21.53	9.32	10.50
MW-16	16.12	6.29	7.16
MW-17	15.41	8.03	9.22
MW-18	28.86	12.01	14.26
MW-19	24.42	5.94	6.63

Notes:

1. MSL refers to Mean Sea Level

Table 3.
Groundwater Flow Velocity Calculations - 2021

Flow Path A								
	MW-14	MW-16	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			
3/15/2021	10.85	6.29	1350	0.0034	25.09	0.2	0.42	154.67
10/4/2021	12.35	7.16	1350	0.0038	25.09	0.2	0.48	176.03

Flow Path B								
	MW-11	MW-19	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			
3/15/2021	11.96	5.94	1600	0.0038	25.09	0.2	0.47	172.28
10/4/2021	13.99	6.63	1600	0.0046	25.09	0.2	0.58	210.63

Notes:

ft=feet

ft/d = feet/day

ft/ft = feet per foot

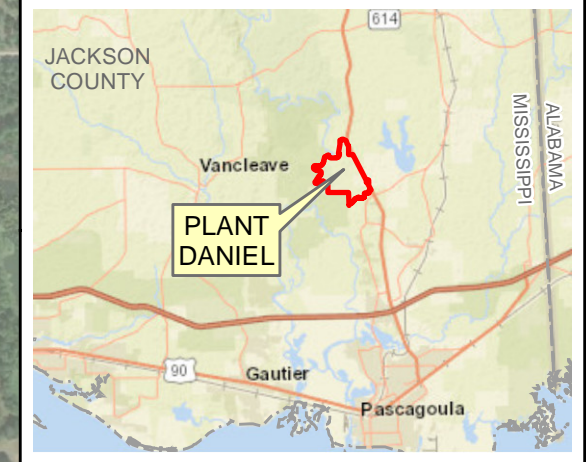
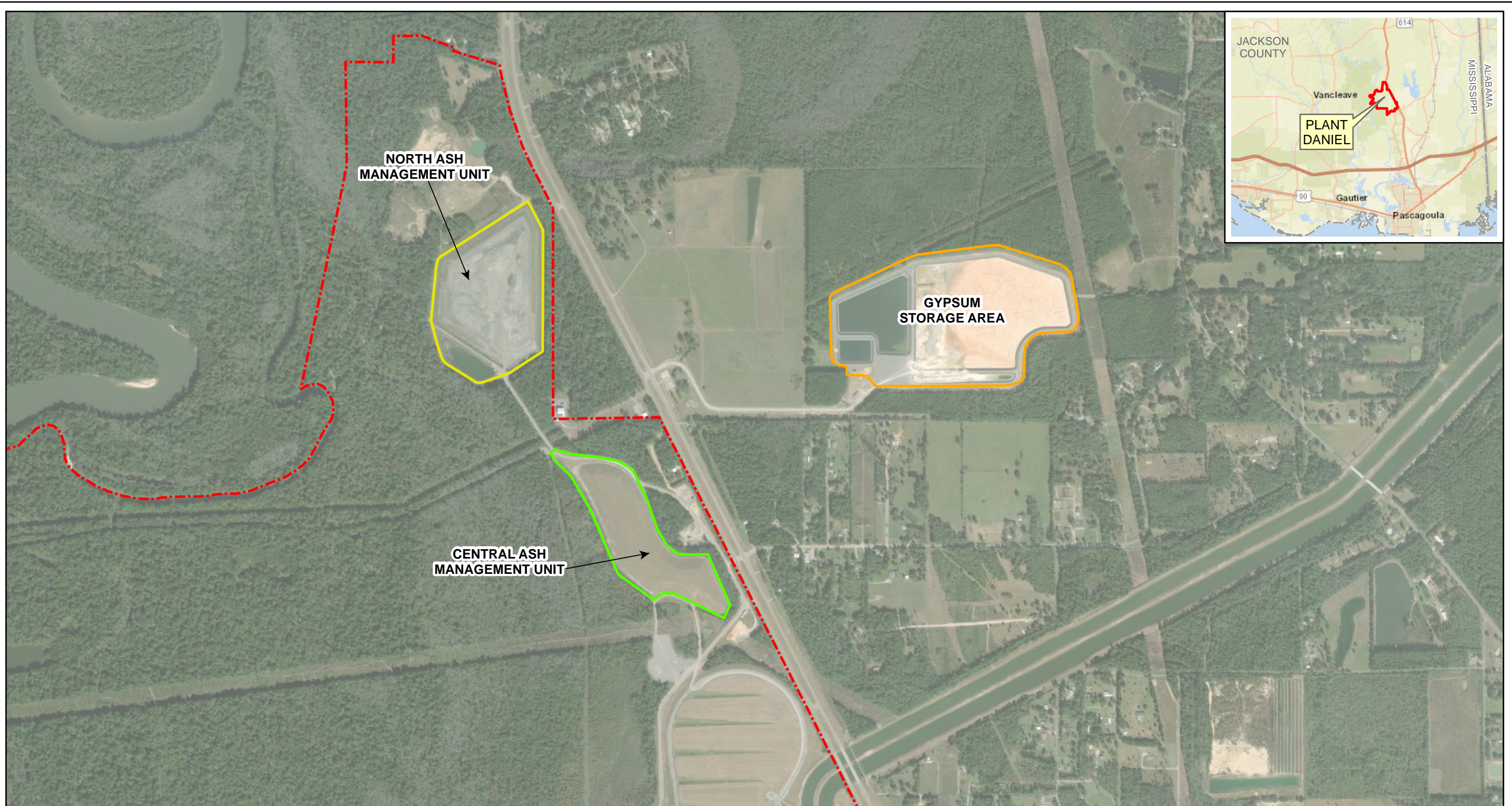
ft/yr = feet per year

Table 4.
Relative Percent Difference Calculations

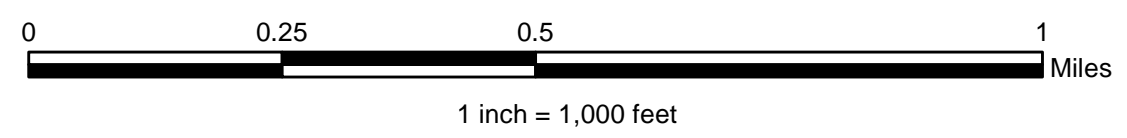
1st Semi-Annual Monitoring Event				
Parameter	Units	Monitoring Point Identification		Relative Percent Difference (RPD %)
		MW-18	Dup-01	
TDS	mg/L	31.0	40.0	25.4
Chloride	mg/L	8.18	8.84	7.8
Fluoride	mg/L	0.0344	0.0866	86.3
Sulfate	mg/L	3.18	3.30	3.7
Calcium	mg/L	0.570	0.525	8.2

2nd Semi-Annual Monitoring Event				
Parameter	Units	Monitoring Point Identification		Relative Percent Difference (RPD %)
		MW-14	Dup-02	
TDS	mg/L	29.0	26.0	10.9
Chloride	mg/L	6.59	5.87	11.6
Fluoride	mg/L	0.0300	0.0260	14.3
Sulfate	mg/L	2.46	2.07	17.2
Calcium	mg/L	1.89	1.95	3.1

Figures



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



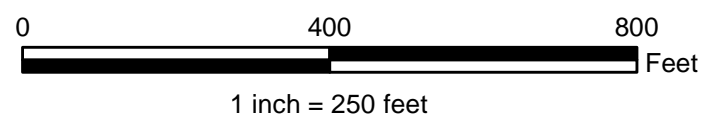
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CHECKED BY	RFS

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

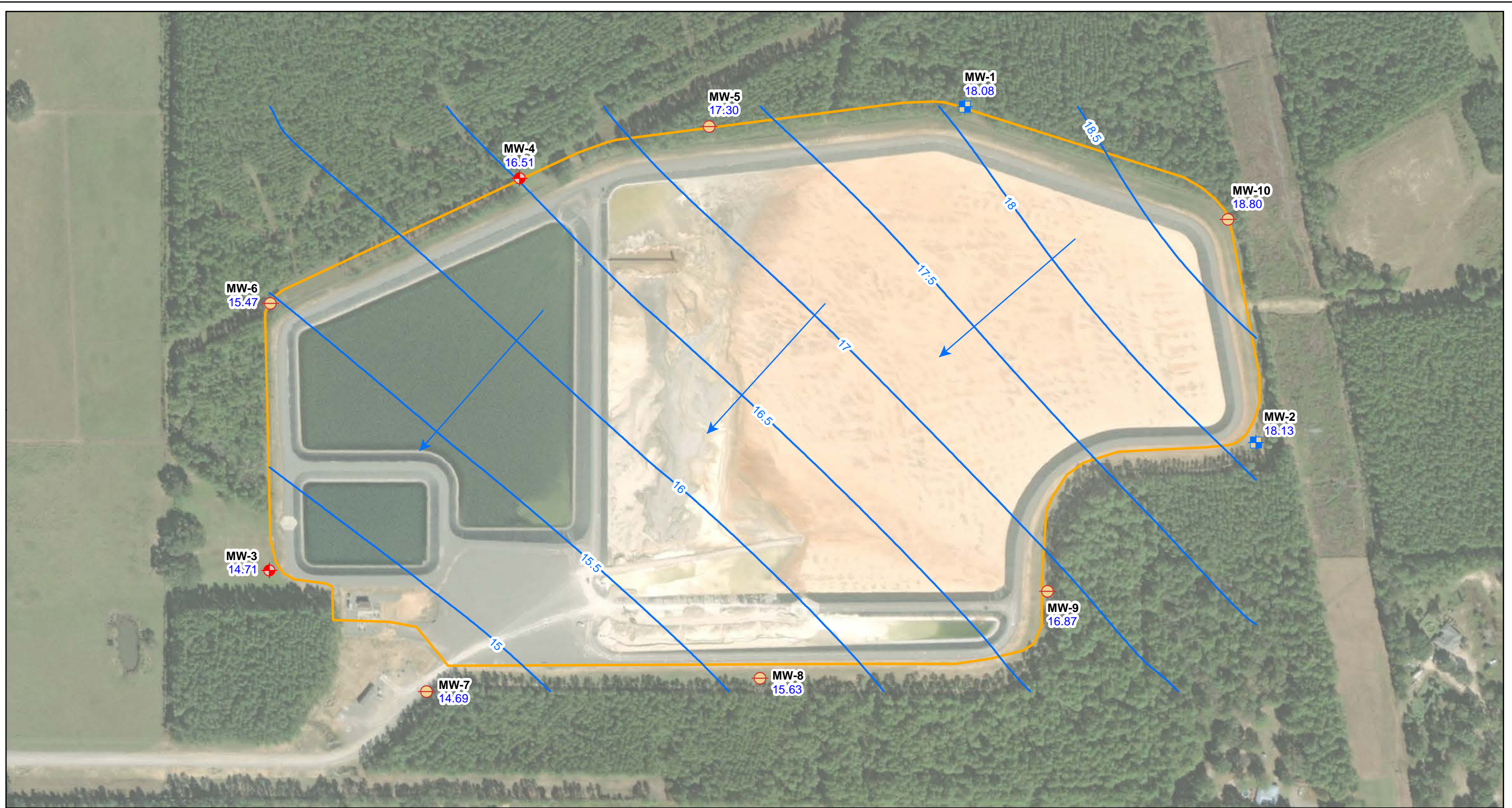


Legend

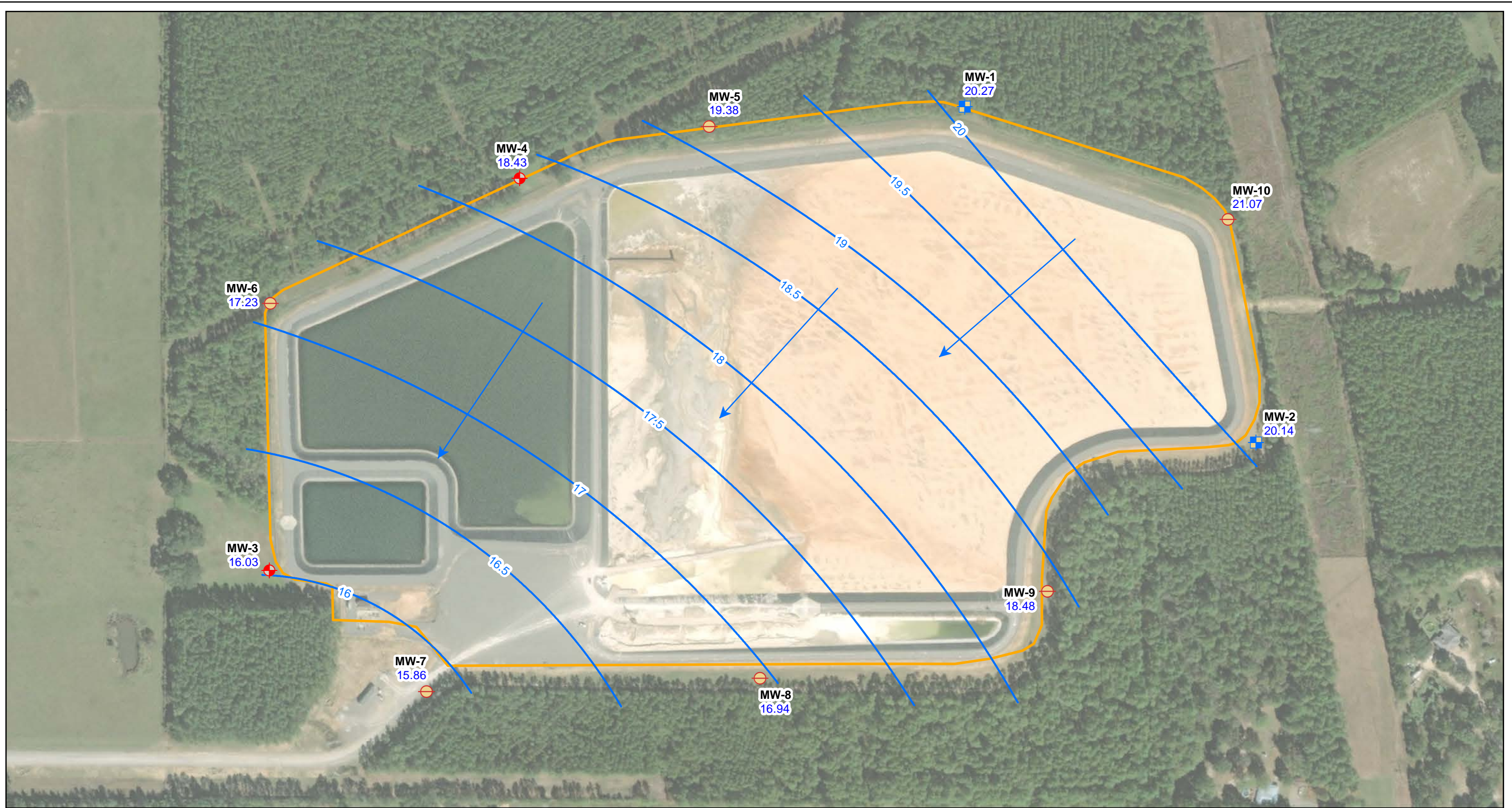
- Upgradient Monitoring Well
- Downgradient Monitoring Well
- ⊙ Piezometer (Water Level Only)
- Gypsum Storage Area



SCALE 1:3000	DRAWING TITLE MONITORING WELL LOCATION MAP PLANT DANIEL GYPSUM STORAGE AREA	
DATE 2/4/2021	DRAWING NO FIGURE 2	
DRAWN BY KAR		
CHECKED BY RFS		
Southern Company		



Legend Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area	 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 POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 15, 2021 PLANT DANIEL GYPSUM STORAGE AREA	
		DATE 8/13/2021	DRAWING NO FIGURE 3	
		DRAWN BY KAR	Southern Company	
		CHECKED BY LPC	Well Name MW-1 Groundwater Elevation (ft NAVD88) 18.08	



Legend Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area	 Note: ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.	SCALE 1:3000	DRAWING TITLE POTENTIOMETRIC SURFACE CONTOUR MAP OCTOBER 4, 2021 PLANT DANIEL GYPSUM STORAGE AREA
		DATE 1/5/2022	
		DRAWN BY KWR	
		CHECKED BY RTS	DRAWING NO FIGURE 4

Appendix A

1st
Semi-Annual
Monitoring Event

ANALYTICAL REPORT

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

Laboratory Job ID: 180-118552-1
Client Project/Site: Plant Daniel GSA

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

Attn: Lauren Parker



Authorized for release by:
4/2/2021 7:43:16 AM

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

LINKS

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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

Job ID: 180-118552-1

Job ID: 180-118552-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-118552-1

Comments

No additional comments.

Receipt

The samples were received on 3/17/2021 8:45 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 2.4° C, 2.6° C and 3.7° C.

GC Semi VOA

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

Metals

Method 6020B: The method blank for preparation batch 180-350748 contained chromium above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

Job ID: 180-118552-1

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: 180-118552-1

Laboratory: Eurofins TestAmerica, 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	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

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

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-118552-1	MW-1	Water	03/15/21 16:30	03/17/21 08:45	
180-118552-2	MW-2	Water	03/15/21 14:30	03/17/21 08:45	
180-118552-3	MW-3	Water	03/15/21 13:09	03/17/21 08:45	
180-118552-4	MW-4	Water	03/15/21 15:32	03/17/21 08:45	
180-118552-5	MW-5	Water	03/15/21 16:30	03/17/21 08:45	
180-118552-6	MW-6	Water	03/15/21 14:32	03/17/21 08:45	
180-118552-7	MW-7	Water	03/15/21 11:13	03/17/21 08:45	
180-118552-8	MW-8	Water	03/15/21 12:20	03/17/21 08:45	
180-118552-9	MW-9	Water	03/15/21 13:40	03/17/21 08:45	
180-118552-10	MW-10	Water	03/15/21 15:15	03/17/21 08:45	
180-118552-11	DUP-01	Water	03/15/21 11:20	03/17/21 08:45	

Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

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 TestAmerica, 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: 180-118552-1

Client Sample ID: MW-1

Lab Sample ID: 180-118552-1

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350851	03/26/21 17:06	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 13:56	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:37	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	351135	03/29/21 15:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351478	03/31/21 10:18	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:47	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-118552-2

Date Collected: 03/15/21 14:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350851	03/26/21 17:24	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 13:59	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:40	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:48	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-118552-3

Date Collected: 03/15/21 13:09

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350706	03/25/21 20:11	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:03	RSK	TAL PIT
Instrument ID: DORY										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-3

Lab Sample ID: 180-118552-3

Date Collected: 03/15/21 13:09

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:43	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:51	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-4

Lab Sample ID: 180-118552-4

Date Collected: 03/15/21 15:32

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350706	03/25/21 20:29	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:07	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:45	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:52	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-118552-5

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350958	03/27/21 11:44	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:10	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:48	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:53	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-6

Lab Sample ID: 180-118552-6

Date Collected: 03/15/21 14:32

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350706	03/25/21 21:04	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:14	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:51	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:54	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-7

Lab Sample ID: 180-118552-7

Date Collected: 03/15/21 11:13

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350706	03/25/21 17:48	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:18	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 11:54	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:55	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350156	03/21/21 12:36	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-8

Lab Sample ID: 180-118552-8

Date Collected: 03/15/21 12:20

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350958	03/27/21 12:37	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:21	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 12:02	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-8
Date Collected: 03/15/21 12:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	351135	03/29/21 15:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351478	03/31/21 10:21	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:56	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350157	03/21/21 12:38	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-9
Date Collected: 03/15/21 13:40
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1			350706	03/25/21 22:16	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:32	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 12:05	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 10:59	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350157	03/21/21 12:38	GRB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-10
Date Collected: 03/15/21 15:15
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-10
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			350706	03/25/21 22:34	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:36	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 12:08	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 11:00	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350157	03/21/21 12:38	GRB	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: DUP-01
Date Collected: 03/15/21 11:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-11
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			350706	03/25/21 22:52	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351038	03/27/21 14:39	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	350748	03/25/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			350990	03/27/21 12:11	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	351371	03/31/21 11:01	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			351583	04/01/21 11:01	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350157	03/21/21 12:38	GRB	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

KHM = Kyle Mucroski

TJO = Tyler Oliver

Batch Type: Analysis

EPS = Evan Scheuer

GRB = Gabriel Berghe

KHM = Kyle Mucroski

RSK = Robert Kurtz

SAT = Stephen Tallam

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-1

Lab Sample ID: 180-118552-1

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.93		1.00	0.713	mg/L			03/26/21 17:06	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/26/21 17:06	1
Sulfate	9.05		1.00	0.756	mg/L			03/26/21 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 13:56	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 13:56	1
Barium	0.0989		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 13:56	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 13:56	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:37	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 13:56	1
Calcium	3.04		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 13:56	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/29/21 15:53	03/31/21 10:18	1
Cobalt	0.00149		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 13:56	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 13:56	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 13:56	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 13:56	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 13:56	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 13:56	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		03/31/21 11:01	04/01/21 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	36.0		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample ID: MW-2

Lab Sample ID: 180-118552-2

Date Collected: 03/15/21 14:30

Matrix: Water

Date Received: 03/17/21 08:45

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.99		1.00	0.713	mg/L			03/26/21 17:24	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/26/21 17:24	1
Sulfate	<0.756		1.00	0.756	mg/L			03/26/21 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 13:59	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 13:59	1
Barium	0.0545		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 13:59	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 13:59	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:40	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 13:59	1
Calcium	1.11		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 13:59	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 13:59	1
Cobalt	0.000859		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 13:59	1
Lead	0.000169	J	0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 13:59	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-2

Lab Sample ID: 180-118552-2

Date Collected: 03/15/21 14:30

Matrix: Water

Date Received: 03/17/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 13:59	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 13:59	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 13:59	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 13:59	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		03/31/21 11:01	04/01/21 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	30.0		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample ID: MW-3

Lab Sample ID: 180-118552-3

Date Collected: 03/15/21 13:09

Matrix: Water

Date Received: 03/17/21 08:45

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.83		1.00	0.713	mg/L			03/25/21 20:11	1
Fluoride	0.0991	J	0.100	0.0260	mg/L			03/25/21 20:11	1
Sulfate	116		1.00	0.756	mg/L			03/25/21 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:03	1
Arsenic	0.00160		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:03	1
Barium	0.129		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:03	1
Beryllium	0.000440	J	0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:03	1
Boron	0.150		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:43	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:03	1
Calcium	44.7		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:03	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:03	1
Cobalt	0.00341		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:03	1
Lead	0.000889	J	0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:03	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:03	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:03	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:03	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:03	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		03/31/21 11:01	04/01/21 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	201		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-4
Date Collected: 03/15/21 15:32
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-4
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.90		1.00	0.713	mg/L			03/25/21 20:29	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 20:29	1
Sulfate	1.94		1.00	0.756	mg/L			03/25/21 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:07	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:07	1
Barium	0.0635		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:07	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:07	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:45	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:07	1
Calcium	1.84		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:07	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:07	1
Cobalt	0.00165		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:07	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:07	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:07	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:07	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:07	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:07	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		03/31/21 11:01	04/01/21 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	27.0		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample ID: MW-5
Date Collected: 03/15/21 16:30
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-5
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.69		1.00	0.713	mg/L			03/27/21 11:44	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/27/21 11:44	1
Sulfate	3.42		1.00	0.756	mg/L			03/27/21 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:10	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:10	1
Barium	0.0650		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:10	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:10	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:48	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:10	1
Calcium	1.79		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:10	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:10	1
Cobalt	0.00112		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:10	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:10	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-5
Date Collected: 03/15/21 16:30
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:10	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:10	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:10	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:10	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		03/31/21 11:01	04/01/21 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	32.0		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample ID: MW-6
Date Collected: 03/15/21 14:32
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-6
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.83		1.00	0.713	mg/L			03/25/21 21:04	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 21:04	1
Sulfate	1.80		1.00	0.756	mg/L			03/25/21 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:14	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:14	1
Barium	0.0599		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:14	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:14	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:51	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:14	1
Calcium	1.40		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:14	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:14	1
Cobalt	0.00177		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:14	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:14	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:14	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:14	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:14	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:14	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		03/31/21 11:01	04/01/21 10:54	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			03/21/21 12:36	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-7
Date Collected: 03/15/21 11:13
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-7
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.68		1.00	0.713	mg/L			03/25/21 17:48	1
Fluoride	0.0270	J	0.100	0.0260	mg/L			03/25/21 17:48	1
Sulfate	<0.756		1.00	0.756	mg/L			03/25/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:18	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:18	1
Barium	0.0943		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:18	1
Beryllium	0.000303	J	0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:18	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:54	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:18	1
Calcium	1.23		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:18	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:18	1
Cobalt	0.00146		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:18	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:18	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:18	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:18	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:18	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:18	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		03/31/21 11:01	04/01/21 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	32.0		10.0	10.0	mg/L			03/21/21 12:36	1

Client Sample ID: MW-8
Date Collected: 03/15/21 12:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-8
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.19		1.00	0.713	mg/L			03/27/21 12:37	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/27/21 12:37	1
Sulfate	1.20		1.00	0.756	mg/L			03/27/21 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:21	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:21	1
Barium	0.0905		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:21	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:21	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 12:02	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:21	1
Calcium	2.26		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:21	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/29/21 15:53	03/31/21 10:21	1
Cobalt	0.00127		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:21	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:21	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-8
Date Collected: 03/15/21 12:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:21	1
Molybdenum	0.00192	J B	0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:21	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:21	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:21	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		03/31/21 11:01	04/01/21 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	39.0		10.0	10.0	mg/L			03/21/21 12:38	1

Client Sample ID: MW-9
Date Collected: 03/15/21 13:40
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-9
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.27		1.00	0.713	mg/L			03/25/21 22:16	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 22:16	1
Sulfate	1.37		1.00	0.756	mg/L			03/25/21 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:32	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:32	1
Barium	0.0499		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:32	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:32	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 12:05	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:32	1
Calcium	1.26		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:32	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:32	1
Cobalt	0.00137		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:32	1
Lead	0.000159	J	0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:32	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:32	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:32	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:32	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:32	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		03/31/21 11:01	04/01/21 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	31.0		10.0	10.0	mg/L			03/21/21 12:38	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: MW-10
Date Collected: 03/15/21 15:15
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-10
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.57		1.00	0.713	mg/L			03/25/21 22:34	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 22:34	1
Sulfate	<0.756		1.00	0.756	mg/L			03/25/21 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:36	1
Arsenic	0.00628		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:36	1
Barium	0.0350		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:36	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:36	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 12:08	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:36	1
Calcium	0.935		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:36	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:36	1
Cobalt	0.00103		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:36	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:36	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:36	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:36	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:36	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:36	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		03/31/21 11:01	04/01/21 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	22.0		10.0	10.0	mg/L			03/21/21 12:38	1

Client Sample ID: DUP-01
Date Collected: 03/15/21 11:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-11
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.80		1.00	0.713	mg/L			03/25/21 22:52	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 22:52	1
Sulfate	1.25		1.00	0.756	mg/L			03/25/21 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 14:39	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 14:39	1
Barium	0.0933		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 14:39	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 14:39	1
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 12:11	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 14:39	1
Calcium	2.26		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 14:39	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 14:39	1
Cobalt	0.00124		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 14:39	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 14:39	1

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Client Sample Results

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Client Sample ID: DUP-01
Date Collected: 03/15/21 11:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 14:39	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 14:39	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 14:39	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 14:39	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		03/31/21 11:01	04/01/21 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	31.0		10.0	10.0	mg/L			03/21/21 12:38	1



QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-350706/40
Matrix: Water
Analysis Batch: 350706

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			03/25/21 18:59	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 18:59	1
Sulfate	<0.756		1.00	0.756	mg/L			03/25/21 18:59	1

Lab Sample ID: MB 180-350706/6
Matrix: Water
Analysis Batch: 350706

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			03/25/21 08:09	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/25/21 08:09	1
Sulfate	<0.756		1.00	0.756	mg/L			03/25/21 08:09	1

Lab Sample ID: LCS 180-350706/39
Matrix: Water
Analysis Batch: 350706

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.00		mg/L		106	80 - 120
Fluoride	2.50	2.472		mg/L		99	80 - 120
Sulfate	50.0	52.90		mg/L		106	80 - 120

Lab Sample ID: LCS 180-350706/5
Matrix: Water
Analysis Batch: 350706

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	52.93		mg/L		106	80 - 120
Fluoride	2.50	2.513		mg/L		101	80 - 120
Sulfate	50.0	52.85		mg/L		106	80 - 120

Lab Sample ID: MB 180-350851/6
Matrix: Water
Analysis Batch: 350851

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			03/26/21 07:40	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/26/21 07:40	1
Sulfate	<0.756		1.00	0.756	mg/L			03/26/21 07:40	1

Lab Sample ID: LCS 180-350851/5
Matrix: Water
Analysis Batch: 350851

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	52.25		mg/L		105	80 - 120
Fluoride	2.50	2.468		mg/L		99	80 - 120
Sulfate	50.0	52.06		mg/L		104	80 - 120

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

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

Lab Sample ID: MB 180-350958/6
Matrix: Water
Analysis Batch: 350958

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/27/21 07:47	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/27/21 07:47	1
Sulfate	<0.756		1.00	0.756	mg/L			03/27/21 07:47	1

Lab Sample ID: LCS 180-350958/5
Matrix: Water
Analysis Batch: 350958

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.42		mg/L		107	80 - 120
Fluoride	2.50	2.505		mg/L		100	80 - 120
Sulfate	50.0	53.55		mg/L		107	80 - 120

Lab Sample ID: 180-118552-5 MS
Matrix: Water
Analysis Batch: 350958

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.69		50.0	55.56		mg/L		98	80 - 120
Fluoride	<0.0260		2.50	2.319		mg/L		93	80 - 120
Sulfate	3.42		50.0	52.17		mg/L		97	80 - 120

Lab Sample ID: 180-118552-5 MSD
Matrix: Water
Analysis Batch: 350958

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.69		50.0	56.63		mg/L		100	80 - 120	2	15
Fluoride	<0.0260		2.50	2.361		mg/L		94	80 - 120	2	15
Sulfate	3.42		50.0	53.10		mg/L		99	80 - 120	2	15

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

Lab Sample ID: MB 180-350748/1-A
Matrix: Water
Analysis Batch: 350990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0386		0.0800	0.0386	mg/L		03/25/21 12:04	03/27/21 11:32	1

Lab Sample ID: MB 180-350748/1-A
Matrix: Water
Analysis Batch: 351038

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		03/25/21 12:04	03/27/21 12:55	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		03/25/21 12:04	03/27/21 12:55	1
Barium	<0.00160		0.0100	0.00160	mg/L		03/25/21 12:04	03/27/21 12:55	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		03/25/21 12:04	03/27/21 12:55	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/25/21 12:04	03/27/21 12:55	1

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QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

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

Lab Sample ID: MB 180-350748/1-A
Matrix: Water
Analysis Batch: 351038

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350748

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	<0.127		0.500	0.127	mg/L		03/25/21 12:04	03/27/21 12:55	1
Chromium	0.02089		0.00200	0.00153	mg/L		03/25/21 12:04	03/27/21 12:55	1
Cobalt	<0.000134		0.000500	0.000134	mg/L		03/25/21 12:04	03/27/21 12:55	1
Lead	<0.000128		0.00100	0.000128	mg/L		03/25/21 12:04	03/27/21 12:55	1
Lithium	<0.00339		0.00500	0.00339	mg/L		03/25/21 12:04	03/27/21 12:55	1
Molybdenum	0.0007580	J	0.00500	0.000610	mg/L		03/25/21 12:04	03/27/21 12:55	1
Selenium	<0.00151		0.00500	0.00151	mg/L		03/25/21 12:04	03/27/21 12:55	1
Thallium	<0.000148		0.00100	0.000148	mg/L		03/25/21 12:04	03/27/21 12:55	1

Lab Sample ID: LCS 180-350748/2-A
Matrix: Water
Analysis Batch: 350990

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Boron	1.25	1.327		mg/L		106	80 - 120

Lab Sample ID: LCS 180-350748/2-A
Matrix: Water
Analysis Batch: 351038

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Antimony	0.250	0.2414		mg/L		97	80 - 120
Arsenic	1.00	1.057		mg/L		106	80 - 120
Barium	1.00	1.025		mg/L		103	80 - 120
Beryllium	0.500	0.4576		mg/L		92	80 - 120
Cadmium	0.500	0.5094		mg/L		102	80 - 120
Calcium	25.0	28.94		mg/L		116	80 - 120
Chromium	0.500	0.4961		mg/L		99	80 - 120
Cobalt	0.500	0.5232		mg/L		105	80 - 120
Lead	0.500	0.5137		mg/L		103	80 - 120
Lithium	0.500	0.4578		mg/L		92	80 - 120
Molybdenum	0.500	0.5261		mg/L		105	80 - 120
Selenium	1.00	1.010		mg/L		101	80 - 120
Thallium	1.00	1.057		mg/L		106	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-351371/1-A
Matrix: Water
Analysis Batch: 351583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 351371

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000130		0.000200	0.000130	mg/L		03/31/21 11:01	04/01/21 10:39	1

Lab Sample ID: LCS 180-351371/2-A
Matrix: Water
Analysis Batch: 351583

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 351371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.00250	0.002355		mg/L		94	80 - 120

Eurofins TestAmerica, Pittsburgh

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-118552-2 MS
Matrix: Water
Analysis Batch: 351583

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 351371
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.000130		0.00100	0.001108		mg/L		111	75 - 125

Lab Sample ID: 180-118552-2 MSD
Matrix: Water
Analysis Batch: 351583

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 351371
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.000130		0.00100	0.001112		mg/L		111	75 - 125	0	20

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

Lab Sample ID: MB 180-350156/2
Matrix: Water
Analysis Batch: 350156

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			03/21/21 12:36	1

Lab Sample ID: LCS 180-350156/1
Matrix: Water
Analysis Batch: 350156

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	457	428.0		mg/L		94	80 - 120

Lab Sample ID: MB 180-350157/2
Matrix: Water
Analysis Batch: 350157

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			03/21/21 12:38	1

Lab Sample ID: LCS 180-350157/1
Matrix: Water
Analysis Batch: 350157

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	457	418.0		mg/L		91	80 - 120

Lab Sample ID: 180-118552-8 DU
Matrix: Water
Analysis Batch: 350157

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	39.0		41.00		mg/L		5	10

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

HPLC/IC

Analysis Batch: 350706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-3	MW-3	Total/NA	Water	EPA 9056A	
180-118552-4	MW-4	Total/NA	Water	EPA 9056A	
180-118552-6	MW-6	Total/NA	Water	EPA 9056A	
180-118552-7	MW-7	Total/NA	Water	EPA 9056A	
180-118552-9	MW-9	Total/NA	Water	EPA 9056A	
180-118552-10	MW-10	Total/NA	Water	EPA 9056A	
180-118552-11	DUP-01	Total/NA	Water	EPA 9056A	
MB 180-350706/40	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-350706/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-350706/39	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-350706/5	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 350851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	EPA 9056A	
180-118552-2	MW-2	Total/NA	Water	EPA 9056A	
MB 180-350851/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-350851/5	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 350958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-5	MW-5	Total/NA	Water	EPA 9056A	
180-118552-8	MW-8	Total/NA	Water	EPA 9056A	
MB 180-350958/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-350958/5	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-118552-5 MS	MW-5	Total/NA	Water	EPA 9056A	
180-118552-5 MSD	MW-5	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 350748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total Recoverable	Water	3005A	
180-118552-2	MW-2	Total Recoverable	Water	3005A	
180-118552-3	MW-3	Total Recoverable	Water	3005A	
180-118552-4	MW-4	Total Recoverable	Water	3005A	
180-118552-5	MW-5	Total Recoverable	Water	3005A	
180-118552-6	MW-6	Total Recoverable	Water	3005A	
180-118552-7	MW-7	Total Recoverable	Water	3005A	
180-118552-8	MW-8	Total Recoverable	Water	3005A	
180-118552-9	MW-9	Total Recoverable	Water	3005A	
180-118552-10	MW-10	Total Recoverable	Water	3005A	
180-118552-11	DUP-01	Total Recoverable	Water	3005A	
MB 180-350748/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-350748/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 350990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total Recoverable	Water	EPA 6020B	350748
180-118552-2	MW-2	Total Recoverable	Water	EPA 6020B	350748
180-118552-3	MW-3	Total Recoverable	Water	EPA 6020B	350748

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QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Metals (Continued)

Analysis Batch: 350990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-4	MW-4	Total Recoverable	Water	EPA 6020B	350748
180-118552-5	MW-5	Total Recoverable	Water	EPA 6020B	350748
180-118552-6	MW-6	Total Recoverable	Water	EPA 6020B	350748
180-118552-7	MW-7	Total Recoverable	Water	EPA 6020B	350748
180-118552-8	MW-8	Total Recoverable	Water	EPA 6020B	350748
180-118552-9	MW-9	Total Recoverable	Water	EPA 6020B	350748
180-118552-10	MW-10	Total Recoverable	Water	EPA 6020B	350748
180-118552-11	DUP-01	Total Recoverable	Water	EPA 6020B	350748
MB 180-350748/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	350748
LCS 180-350748/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	350748

Analysis Batch: 351038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total Recoverable	Water	EPA 6020B	350748
180-118552-2	MW-2	Total Recoverable	Water	EPA 6020B	350748
180-118552-3	MW-3	Total Recoverable	Water	EPA 6020B	350748
180-118552-4	MW-4	Total Recoverable	Water	EPA 6020B	350748
180-118552-5	MW-5	Total Recoverable	Water	EPA 6020B	350748
180-118552-6	MW-6	Total Recoverable	Water	EPA 6020B	350748
180-118552-7	MW-7	Total Recoverable	Water	EPA 6020B	350748
180-118552-8	MW-8	Total Recoverable	Water	EPA 6020B	350748
180-118552-9	MW-9	Total Recoverable	Water	EPA 6020B	350748
180-118552-10	MW-10	Total Recoverable	Water	EPA 6020B	350748
180-118552-11	DUP-01	Total Recoverable	Water	EPA 6020B	350748
MB 180-350748/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	350748
LCS 180-350748/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	350748

Prep Batch: 351135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total Recoverable	Water	3005A	
180-118552-8	MW-8	Total Recoverable	Water	3005A	

Prep Batch: 351371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	7470A	
180-118552-2	MW-2	Total/NA	Water	7470A	
180-118552-3	MW-3	Total/NA	Water	7470A	
180-118552-4	MW-4	Total/NA	Water	7470A	
180-118552-5	MW-5	Total/NA	Water	7470A	
180-118552-6	MW-6	Total/NA	Water	7470A	
180-118552-7	MW-7	Total/NA	Water	7470A	
180-118552-8	MW-8	Total/NA	Water	7470A	
180-118552-9	MW-9	Total/NA	Water	7470A	
180-118552-10	MW-10	Total/NA	Water	7470A	
180-118552-11	DUP-01	Total/NA	Water	7470A	
MB 180-351371/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-351371/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-118552-2 MS	MW-2	Total/NA	Water	7470A	
180-118552-2 MSD	MW-2	Total/NA	Water	7470A	

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-1

Metals

Analysis Batch: 351478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total Recoverable	Water	EPA 6020B	351135
180-118552-8	MW-8	Total Recoverable	Water	EPA 6020B	351135

Analysis Batch: 351583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	EPA 7470A	351371
180-118552-2	MW-2	Total/NA	Water	EPA 7470A	351371
180-118552-3	MW-3	Total/NA	Water	EPA 7470A	351371
180-118552-4	MW-4	Total/NA	Water	EPA 7470A	351371
180-118552-5	MW-5	Total/NA	Water	EPA 7470A	351371
180-118552-6	MW-6	Total/NA	Water	EPA 7470A	351371
180-118552-7	MW-7	Total/NA	Water	EPA 7470A	351371
180-118552-8	MW-8	Total/NA	Water	EPA 7470A	351371
180-118552-9	MW-9	Total/NA	Water	EPA 7470A	351371
180-118552-10	MW-10	Total/NA	Water	EPA 7470A	351371
180-118552-11	DUP-01	Total/NA	Water	EPA 7470A	351371
MB 180-351371/1-A	Method Blank	Total/NA	Water	EPA 7470A	351371
LCS 180-351371/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	351371
180-118552-2 MS	MW-2	Total/NA	Water	EPA 7470A	351371
180-118552-2 MSD	MW-2	Total/NA	Water	EPA 7470A	351371

General Chemistry

Analysis Batch: 350156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	SM 2540C	
180-118552-2	MW-2	Total/NA	Water	SM 2540C	
180-118552-3	MW-3	Total/NA	Water	SM 2540C	
180-118552-4	MW-4	Total/NA	Water	SM 2540C	
180-118552-5	MW-5	Total/NA	Water	SM 2540C	
180-118552-6	MW-6	Total/NA	Water	SM 2540C	
180-118552-7	MW-7	Total/NA	Water	SM 2540C	
MB 180-350156/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350156/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 350157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-8	MW-8	Total/NA	Water	SM 2540C	
180-118552-9	MW-9	Total/NA	Water	SM 2540C	
180-118552-10	MW-10	Total/NA	Water	SM 2540C	
180-118552-11	DUP-01	Total/NA	Water	SM 2540C	
MB 180-350157/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350157/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-118552-8 DU	MW-8	Total/NA	Water	SM 2540C	



180-118552 Waybill

ORIGIN ID: BIXA (850) 336-0182
RDH ENVIRONMENTAL
5720 DOVE DR
MILTON, FL 32571
UNITED STATES US

SHIP DATE: 16MAR21
ACTWT: 49.00 LB
CAD: 6993799/88FE2121
DIMS: 22x14x13 IN

BILL THIRD PARTY

Part # 156297-324-HMB/EXP/01/22

TO TEST AMERICA
TEST AMERICA
301 ALPHA DR

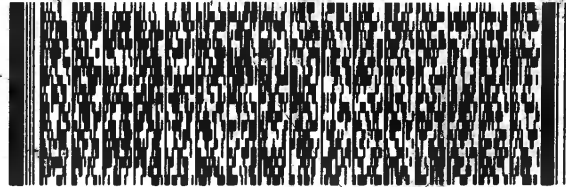
PITTSBURGH PA 15238

(412) 983-7068

REF:

THU1

DEPT:



FedEx
Express



AN 1061101211127

3 of 4

WED - 17 MAR 10:30A

MPS# 7848 1167 6127

PRIORITY OVERNIGHT

Mstr# 7848 1167 6105

0201

YH AGCA

15238

PA-US PIT

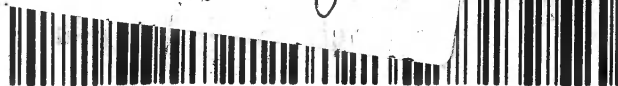
Uncorrected temp
Thermometer ID

26 °C

CF 0 Initials

14
J

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



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

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

ORIGIN ID: BIXA (85Q) 336-0192
 RDH ENVIRONMENTAL
 5720 DOVE DR
 MILTON, FL 32571
 UNITED STATES US

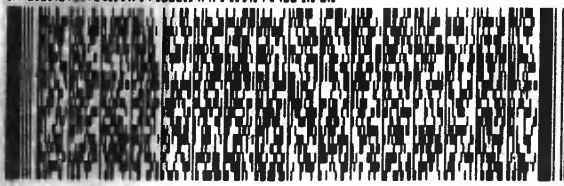
SHIP DA: MAR21
 ACTWGT: 1.00 LB
 CAD: 6993789/85FE2121
 DIMS: 22x14x13 IN
 BILL THIRD PARTY

TO TEST AMERICA
 TEST AMERICA
 301 ALPHA DR

PITTSBURGH PA 15238

(412) 969-7058

REF:



1 of 4
 TRK# 7848 1167 6105
 0201
 ## MASTER ##

WED - 17 MAR 10:30A
 PRIORITY OVERNIGHT

XH AGCA

15238
 PA-US PIT

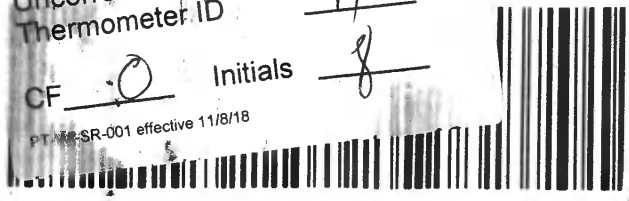
Uncorrected temp
 Thermometer ID

24
 14 °C

CF 0

Initials 8

PT # SR-001 effective 11/8/18



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-118552-1

Login Number: 118552

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

Laboratory Job ID: 180-118552-2
Client Project/Site: Plant Daniel GSA

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

Attn: Lauren Parker



Authorized for release by:
4/15/2021 1:10:26 PM

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

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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

Job ID: 180-118552-2

Job ID: 180-118552-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative 180-118552-2

Comments

No additional comments.

Receipt

The samples were received on 3/17/2021 8:45 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 2.4° C, 2.6° C and 3.7° C.

RAD

Method 9315: Radium-226 prep batch 502679

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 (180-118552-1), MW-2 (180-118552-2), MW-3 (180-118552-3), MW-4 (180-118552-4), MW-5 (180-118552-5), MW-6 (180-118552-6), MW-7 (180-118552-7), MW-8 (180-118552-8), MW-9 (180-118552-9), MW-10 (180-118552-10), DUP-01 (180-118552-11), (LCS 160-502679/1-A), (LCSD 160-502679/2-A) and (MB 160-502679/14-A)

Method 9320: Radium-228 Batch 160-502681

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 (180-118552-1), MW-2 (180-118552-2), MW-3 (180-118552-3), MW-4 (180-118552-4), MW-5 (180-118552-5), MW-6 (180-118552-6), MW-7 (180-118552-7), MW-8 (180-118552-8), MW-9 (180-118552-9), MW-10 (180-118552-10), DUP-01 (180-118552-11), (LCS 160-502681/1-A), (LCSD 160-502681/2-A) and (MB 160-502681/14-A)

Method PrecSep_0: Radium 228 Prep Batch 160-502681:

Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-118552-1), MW-2 (180-118552-2), MW-3 (180-118552-3), MW-4 (180-118552-4), MW-5 (180-118552-5), MW-6 (180-118552-6), MW-7 (180-118552-7), MW-8 (180-118552-8), MW-9 (180-118552-9), MW-10 (180-118552-10) and DUP-01 (180-118552-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-502679:

Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-118552-1), MW-2 (180-118552-2), MW-3 (180-118552-3), MW-4 (180-118552-4), MW-5 (180-118552-5), MW-6 (180-118552-6), MW-7 (180-118552-7), MW-8 (180-118552-8), MW-9 (180-118552-9), MW-10 (180-118552-10) and DUP-01 (180-118552-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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: 180-118552-2

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: 180-118552-2

Laboratory: Eurofins TestAmerica, 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	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-21
California	Los Angeles County Sanitation Districts	10259	06-30-21
California	State	2886	06-30-21
Connecticut	State	PH-0241	03-31-21 *
Florida	NELAP	E87689	06-30-21
HI - RadChem Recognition	State	n/a	06-30-21
Illinois	NELAP	004553	11-30-21
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-21
Kentucky (DW)	State	KY90125	01-01-22
Louisiana	NELAP	04080	06-30-21
Louisiana (DW)	State	LA011	12-31-21
Maryland	State	310	09-30-21
MI - RadChem Recognition	State	9005	06-30-21
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-21
New Jersey	NELAP	MO002	06-30-21
New York	NELAP	11616	04-01-22
North Dakota	State	R-207	06-30-21
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-21
Oregon	NELAP	4157	09-01-21
Pennsylvania	NELAP	68-00540	03-01-22
South Carolina	State	85002001	06-30-21
Texas	NELAP	T104704193-19-13	07-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-21
Virginia	NELAP	10310	06-14-21
Washington	State	C592	08-30-21
West Virginia DEP	State	381	10-31-21

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

Eurofins TestAmerica, Pittsburgh

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-118552-1	MW-1	Water	03/15/21 16:30	03/17/21 08:45	
180-118552-2	MW-2	Water	03/15/21 14:30	03/17/21 08:45	
180-118552-3	MW-3	Water	03/15/21 13:09	03/17/21 08:45	
180-118552-4	MW-4	Water	03/15/21 15:32	03/17/21 08:45	
180-118552-5	MW-5	Water	03/15/21 16:30	03/17/21 08:45	
180-118552-6	MW-6	Water	03/15/21 14:32	03/17/21 08:45	
180-118552-7	MW-7	Water	03/15/21 11:13	03/17/21 08:45	
180-118552-8	MW-8	Water	03/15/21 12:20	03/17/21 08:45	
180-118552-9	MW-9	Water	03/15/21 13:40	03/17/21 08:45	
180-118552-10	MW-10	Water	03/15/21 15:15	03/17/21 08:45	
180-118552-11	DUP-01	Water	03/15/21 11:20	03/17/21 08:45	

Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

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 TestAmerica, 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: 180-118552-2

Client Sample ID: MW-1

Lab Sample ID: 180-118552-1

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.83 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505601	04/14/21 06:41	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.83 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:34	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-118552-2

Date Collected: 03/15/21 14:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.54 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505601	04/14/21 06:41	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.54 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:34	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-118552-3

Date Collected: 03/15/21 13:09

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.83 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505601	04/14/21 06:41	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			999.83 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:34	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-4

Lab Sample ID: 180-118552-4

Date Collected: 03/15/21 15:32

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.28 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505601	04/14/21 06:41	FLC	TAL SL
Instrument ID: GFPCPURPLE										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-4

Lab Sample ID: 180-118552-4

Date Collected: 03/15/21 15:32

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			999.28 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:34	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-118552-5

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.14 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:42	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.14 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:34	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-118552-6

Date Collected: 03/15/21 14:32

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.91 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:42	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.91 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-7

Lab Sample ID: 180-118552-7

Date Collected: 03/15/21 11:13

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.94 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:42	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.94 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-7
Date Collected: 03/15/21 11:13
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-7
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			505742	04/15/21 09:35	SCB	TAL SL

Client Sample ID: MW-8
Date Collected: 03/15/21 12:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-8
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			1000.06 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:43	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.06 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-9
Date Collected: 03/15/21 13:40
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-9
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			1000.41 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:43	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.41 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-10
Date Collected: 03/15/21 15:15
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-10
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			1000.46 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:43	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.46 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: DUP-01

Lab Sample ID: 180-118552-11

Date Collected: 03/15/21 11:20

Matrix: Water

Date Received: 03/17/21 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.06 mL	1.0 g	502679	03/22/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			505640	04/14/21 06:43	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.06 mL	1.0 g	502681	03/22/21 11:08	RBR	TAL SL
Total/NA	Analysis	9320		1			503962	04/01/21 12:35	AK	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			505742	04/15/21 09:35	SCB	TAL SL
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL SL

Batch Type: Prep

RBR = Rachael Ratcliff

Batch Type: Analysis

AK = Amanda Kraus

FLC = Fernando Cruz

SCB = Sarah Bernsen

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-1

Lab Sample ID: 180-118552-1

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.696		0.150	0.162	1.00	0.116	pCi/L	03/22/21 10:54	04/14/21 06:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		40 - 110					03/22/21 10:54	04/14/21 06:41	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.08		0.297	0.314	1.00	0.350	pCi/L	03/22/21 11:08	04/01/21 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		40 - 110					03/22/21 11:08	04/01/21 12:34	1
Y Carrier	82.6		40 - 110					03/22/21 11:08	04/01/21 12:34	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	1.78		0.333	0.353	5.00	0.350	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-2

Lab Sample ID: 180-118552-2

Date Collected: 03/15/21 14:30

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324		0.110	0.114	1.00	0.110	pCi/L	03/22/21 10:54	04/14/21 06:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		40 - 110					03/22/21 10:54	04/14/21 06:41	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.175	U	0.265	0.265	1.00	0.446	pCi/L	03/22/21 11:08	04/01/21 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		40 - 110					03/22/21 11:08	04/01/21 12:34	1
Y Carrier	78.9		40 - 110					03/22/21 11:08	04/01/21 12:34	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-2
Date Collected: 03/15/21 14:30
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-2
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	0.499		0.287	0.288	5.00	0.446	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-3
Date Collected: 03/15/21 13:09
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-3
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	1.34		0.200	0.234	1.00	0.105	pCi/L	03/22/21 10:54	04/14/21 06:41	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	84.1		40 - 110					03/22/21 10:54	04/14/21 06:41	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.72		0.402	0.432	1.00	0.481	pCi/L	03/22/21 11:08	04/01/21 12:34	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	84.1		40 - 110					03/22/21 11:08	04/01/21 12:34	1
Y Carrier	78.9		40 - 110					03/22/21 11:08	04/01/21 12:34	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	3.06		0.449	0.491	5.00	0.481	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-4
Date Collected: 03/15/21 15:32
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-4
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	0.532		0.131	0.140	1.00	0.0928	pCi/L	03/22/21 10:54	04/14/21 06:41	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	81.8		40 - 110					03/22/21 10:54	04/14/21 06:41	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-4

Lab Sample ID: 180-118552-4

Date Collected: 03/15/21 15:32

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.820		0.318	0.327	1.00	0.437	pCi/L	03/22/21 11:08	04/01/21 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					03/22/21 11:08	04/01/21 12:34	1
Y Carrier	80.7		40 - 110					03/22/21 11:08	04/01/21 12:34	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	1.35		0.344	0.356	5.00	0.437	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-5

Lab Sample ID: 180-118552-5

Date Collected: 03/15/21 16:30

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.426		0.117	0.123	1.00	0.0939	pCi/L	03/22/21 10:54	04/14/21 06:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					03/22/21 10:54	04/14/21 06:42	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.574		0.300	0.305	1.00	0.444	pCi/L	03/22/21 11:08	04/01/21 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					03/22/21 11:08	04/01/21 12:34	1
Y Carrier	77.4		40 - 110					03/22/21 11:08	04/01/21 12:34	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	1.00		0.322	0.329	5.00	0.444	pCi/L		04/15/21 09:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-6

Lab Sample ID: 180-118552-6

Date Collected: 03/15/21 14:32

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289		0.103	0.106	1.00	0.102	pCi/L	03/22/21 10:54	04/14/21 06:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					03/22/21 10:54	04/14/21 06:42	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.623		0.345	0.350	1.00	0.525	pCi/L	03/22/21 11:08	04/01/21 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	80.7		40 - 110					03/22/21 11:08	04/01/21 12:35	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	0.911		0.360	0.366	5.00	0.525	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-7

Lab Sample ID: 180-118552-7

Date Collected: 03/15/21 11:13

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.530		0.133	0.142	1.00	0.109	pCi/L	03/22/21 10:54	04/14/21 06:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		40 - 110					03/22/21 10:54	04/14/21 06:42	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.885		0.320	0.330	1.00	0.438	pCi/L	03/22/21 11:08	04/01/21 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	79.3		40 - 110					03/22/21 11:08	04/01/21 12:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-7
Date Collected: 03/15/21 11:13
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-7
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	1.41		0.347	0.359	5.00	0.438	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-8
Date Collected: 03/15/21 12:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-8
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	0.460		0.125	0.132	1.00	0.103	pCi/L	03/22/21 10:54	04/14/21 06:43	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	86.5		40 - 110					03/22/21 10:54	04/14/21 06:43	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.32		0.369	0.389	1.00	0.474	pCi/L	03/22/21 11:08	04/01/21 12:35	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	86.5		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	79.3		40 - 110					03/22/21 11:08	04/01/21 12:35	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	1.78		0.390	0.411	5.00	0.474	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-9
Date Collected: 03/15/21 13:40
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-9
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	0.236		0.0961	0.0984	1.00	0.105	pCi/L	03/22/21 10:54	04/14/21 06:43	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	87.6		40 - 110					03/22/21 10:54	04/14/21 06:43	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: MW-9

Lab Sample ID: 180-118552-9

Date Collected: 03/15/21 13:40

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.437		0.278	0.280	1.00	0.424	pCi/L	03/22/21 11:08	04/01/21 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	80.4		40 - 110					03/22/21 11:08	04/01/21 12:35	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	0.674		0.294	0.297	5.00	0.424	pCi/L		04/15/21 09:35	1

Client Sample ID: MW-10

Lab Sample ID: 180-118552-10

Date Collected: 03/15/21 15:15

Matrix: Water

Date Received: 03/17/21 08:45

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196		0.100	0.102	1.00	0.128	pCi/L	03/22/21 10:54	04/14/21 06:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		40 - 110					03/22/21 10:54	04/14/21 06:43	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.786		0.320	0.328	1.00	0.446	pCi/L	03/22/21 11:08	04/01/21 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	81.9		40 - 110					03/22/21 11:08	04/01/21 12:35	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	0.982		0.335	0.343	5.00	0.446	pCi/L		04/15/21 09:35	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Client Sample ID: DUP-01
Date Collected: 03/15/21 11:20
Date Received: 03/17/21 08:45

Lab Sample ID: 180-118552-11
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	0.526		0.129	0.137	1.00	0.0912	pCi/L	03/22/21 10:54	04/14/21 06:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					03/22/21 10:54	04/14/21 06:43	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.342	0.364	1.00	0.415	pCi/L	03/22/21 11:08	04/01/21 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					03/22/21 11:08	04/01/21 12:35	1
Y Carrier	84.1		40 - 110					03/22/21 11:08	04/01/21 12:35	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	1.88		0.366	0.389	5.00	0.415	pCi/L		04/15/21 09:35	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-502679/14-A
Matrix: Water
Analysis Batch: 505640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 502679

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.02776	U	0.0376	0.0377	1.00	0.0987	pCi/L	03/22/21 10:54	04/14/21 06:43	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110				03/22/21 10:54		04/14/21 06:43	1

Lab Sample ID: LCS 160-502679/1-A
Matrix: Water
Analysis Batch: 505601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 502679

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.54		1.09	1.00	0.122	pCi/L	93	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	88.2		40 - 110						

Lab Sample ID: LCSD 160-502679/2-A
Matrix: Water
Analysis Batch: 505601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 502679

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-226	11.3	11.66		1.19	1.00	0.109	pCi/L	103	75 - 125	0.50	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	85.0		40 - 110								

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-502681/14-A
Matrix: Water
Analysis Batch: 503962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 502681

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.09971	U	0.233	0.234	1.00	0.403	pCi/L	03/22/21 11:08	04/01/21 12:36	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110				03/22/21 11:08		04/01/21 12:36	1
Y Carrier	84.5		40 - 110				03/22/21 11:08		04/01/21 12:36	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

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

Lab Sample ID: LCS 160-502681/1-A
Matrix: Water
Analysis Batch: 503962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 502681

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
									75	125
Radium-228	7.32	7.200		0.918	1.00	0.407	pCi/L	98	75	125
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	88.2		40 - 110							
Y Carrier	78.5		40 - 110							

Lab Sample ID: LCSD 160-502681/2-A
Matrix: Water
Analysis Batch: 503962

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 502681

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER	Limit
									75	125	0.42	1
Radium-228	7.32	7.996		0.989	1.00	0.341	pCi/L	109	75	125	0.42	1
LCSD LCSD												
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	85.0		40 - 110									
Y Carrier	81.1		40 - 110									

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-118552-2

Rad

Prep Batch: 502679


Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	PrecSep-21	
180-118552-2	MW-2	Total/NA	Water	PrecSep-21	
180-118552-3	MW-3	Total/NA	Water	PrecSep-21	
180-118552-4	MW-4	Total/NA	Water	PrecSep-21	
180-118552-5	MW-5	Total/NA	Water	PrecSep-21	
180-118552-6	MW-6	Total/NA	Water	PrecSep-21	
180-118552-7	MW-7	Total/NA	Water	PrecSep-21	
180-118552-8	MW-8	Total/NA	Water	PrecSep-21	
180-118552-9	MW-9	Total/NA	Water	PrecSep-21	
180-118552-10	MW-10	Total/NA	Water	PrecSep-21	
180-118552-11	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-502679/14-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-502679/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-502679/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 502681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118552-1	MW-1	Total/NA	Water	PrecSep_0	
180-118552-2	MW-2	Total/NA	Water	PrecSep_0	
180-118552-3	MW-3	Total/NA	Water	PrecSep_0	
180-118552-4	MW-4	Total/NA	Water	PrecSep_0	
180-118552-5	MW-5	Total/NA	Water	PrecSep_0	
180-118552-6	MW-6	Total/NA	Water	PrecSep_0	
180-118552-7	MW-7	Total/NA	Water	PrecSep_0	
180-118552-8	MW-8	Total/NA	Water	PrecSep_0	
180-118552-9	MW-9	Total/NA	Water	PrecSep_0	
180-118552-10	MW-10	Total/NA	Water	PrecSep_0	
180-118552-11	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-502681/14-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-502681/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-502681/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Client Information		Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State, Zip: Alabama		Lab P#: Brown, Shali E-Mail: shali.brown@eurofinset.com	
Client Contact: SCS Contacts		Phone: 205.992.6283		Carrier Tracking No(s):	
Company: SCS		Email: 205.992.6283		Page:	
Address: 3535 Colonnade Pkwy Bin S 530 EC		City: Birmingham		Job #:	
State, Zip: Alabama		TAT Requested (days):		Preservation Codes:	
Phone: 205.992.6283		PO #: SCS10382606		M - Hexane N - None O - AshNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email: SCS Contacts		WO #:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: Plant Daniel GSA		Project #: 18020047		Total Number of containers	
Site:		SSOW#:		Special Instructions/Note:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/soil, BT=tissue, A=air)	Analysis Requested					Special Instructions/Note:	
					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom 14 (Aplil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids		Radium 226 Radium 228 + Combined
MW-1	3/15/21	1630	G	W	X	X	X	X	X	X	
MW-2		1430			X	X	X	X	X	X	
MW-3		1309			X	X	X	X	X	X	
MW-4		1532			X	X	X	X	X	X	
MW-5		1650			X	X	X	X	X	X	
MW-6		1432			X	X	X	X	X	X	
MW-7		1113			X	X	X	X	X	X	
MW-8		1220			X	X	X	X	X	X	
MW-9		1340			X	X	X	X	X	X	
MW-10		1515			X	X	X	X	X	X	
Dup-01	3/15/21	1120	G	W	X	X	X	X	X	X	



180-118552 Chain of Custody

<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	
Empty Kit Relinquished by: _____ Date: _____ Time: _____		Method of Shipment: _____	
Relinquished by: _____ Date/Time: 3/16/21 1400 Company: RDA		Received by: _____ Date/Time: _____ Company:	
Relinquished by: _____ Date/Time: _____ Company:		Received by: _____ Date/Time: _____ Company:	
Relinquished by: _____ Date/Time: _____ Company:		Received by: _____ Date/Time: _____ Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:	



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

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: <u>SCS Contacts</u>		Phone: <u>850-336-0192</u>		E-Mail: <u>shali.brown@eurofinset.com</u>				Page	
Company: <u>SCS</u>								Job #:	
Address: <u>3535 Colonnade Pkwy Bin S 530 EC</u>		Due Date Requested:		Analysis Requested				Preservation Codes:	
City: <u>Birmingham</u>		TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State: <u>Alabama</u>		PO #: <u>SCS10382606</u>						M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: <u>205 992 6283</u>		MO #:						Total Number of containers	
Email: <u>SCS Contacts</u>		Project #:						Special Instructions/Note:	
Project Name: <u>Plant Daniel GSA State</u>		SSOW#:							
Site:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Barium Cadmium Selenium Zinc + Mercury	Sulfate
MW-1		3/15/21	1630	G	W	X	X	X	X
MW-2		↓	1430	↓	↓	X	X	X	X
MW-3		↓	1309	↓	↓	X	X	X	X
MW-4		3/15/21	1532	G	W	X	X	X	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		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:			
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <u>[Signature]</u>		Date: _____		Method of Shipment:			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3/15/21 1400</u>		Company: <u>ADH</u>		Received by: <u>[Signature]</u>		Date/Time: <u>3-17-21</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					





180-118552 Waybill

ORIGIN ID: BIXA (850) 336-0182
RDH ENVIRONMENTAL
5720 DOVE DR
MILTON, FL 32571
UNITED STATES US

SHIP DATE: 16MAR21
ACTWT: 49.00 LB
CAD: 6993799/88FE2121
DIMS: 22x14x13 IN
BILL THIRD PARTY

Part # 156297-324-HMB/EXP/01/22

TO TEST AMERICA
TEST AMERICA
301 ALPHA DR

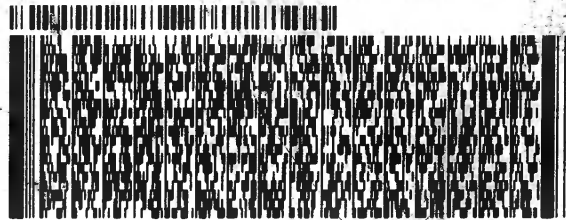
PITTSBURGH PA 15238

(412) 983-7068

REF:

THU1

DEPT:



FedEx
Express



AN1061101211127

3 of 4

WED - 17 MAR 10:30A
PRIORITY OVERNIGHT

MPS# 7848 1167 6127

Mstr# 7848 1167 6105

0201

YH AGCA

15238

PA-US PIT

Uncorrected temp
Thermometer ID

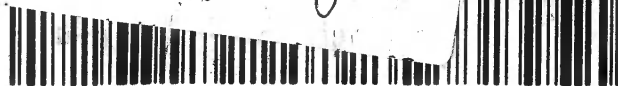
26 °C

14

CF 0 Initials

J

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



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ORIGIN ID: BIXA (850) 336-0182
 RDH ENVIRONMENTAL
 5720 DOVE DR
 MILTON, FL 32571
 UNITED STATES US

SHIP DATE: 16MAR21
 ACTWT: 49.00 LB
 CAD: 6993799/SSFE2121
 DIMS: 22x14x13 IN
 BILL THIRD PARTY

Part # 156297-43244555-EXP01/22

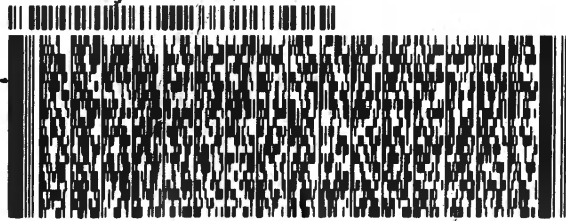
TO **TEST AMERICA**
TEST AMERICA
301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068
 THU
 P01

REF:

DEPT:



FedEx
Express



AN1061101211127

2 of 4

WED - 17 MAR 10:30A
PRIORITY OVERNIGHT

MPS# 7848 1167 6116

Mstr# 7848 1167 6105

0201

XH AGCA

15238

PA-US **PIT**

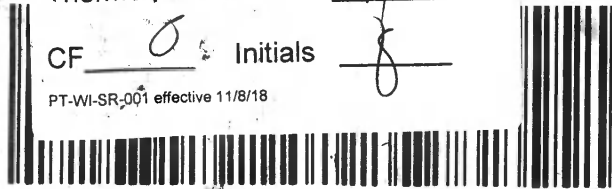
Uncorrected temp
 Thermometer ID

37 °C
 14

CF Initials

8

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



Do Not Lift Using This Tag

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ORIGIN ID: BIXA (85Q) 336-0192
 RDH ENVIRONMENTAL
 5720 DOVE DR
 MILTON, FL 32571
 UNITED STATES US

SHIP DATE: MAR21
 ACTWGT: 1.00 LB
 CAD: 6993789/85FE2121
 DIMS: 22x14x13 IN
 BILL THIRD PARTY

TO TEST AMERICA
 TEST AMERICA
 301 ALPHA DR

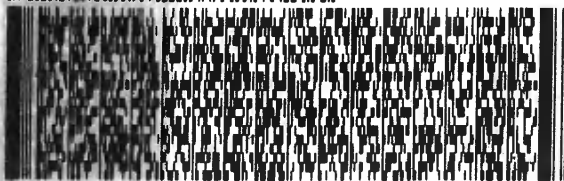
PITTSBURGH PA 15238

(412) 969-7058

REF:

THU1

DEPT:



FedEx
Express



01001101211121

1 of 4

TRK# 7848 1167 6105

0201
 ## MASTER ##

WED - 17 MAR 10:30A
 PRIORITY OVERNIGHT

XH AGCA

15238

PA-US PIT

Uncorrected temp
 Thermometer ID

24
 14 °C

CF 0 Initials 8

PT # SR-001 effective 11/8/18



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-429202.1
Shipping/Receiving		E-Mail: Shali.Brown@Eurofins.com	State of Origin: Mississippi	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): 180-118552-2		
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNo2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)		
Project Name: Plant Daniel GSA Site:		Analysis Requested		
Due Date Requested: 3/31/2021 TAT Requested (days):		Total Number of containers		
PO #:		9315_Ra226/PreSep_Z1 Radium 226		
WO #:		9320_Ra226/PreSep_0 Standard Target List		
Project #: 18020047		Perform MS/MSD (Yes or No)		
SSOW #:		Field Filtered Sample (Yes or No)		
Sample Identification - Client ID (Lab ID)		Preservation Code:		
MW-1 (180-118552-1)	3/15/21 16:30 Central	Water	X	X
MW-2 (180-118552-2)	3/15/21 14:30 Central	Water	X	X
MW-3 (180-118552-3)	3/15/21 13:09 Central	Water	X	X
MW-4 (180-118552-4)	3/15/21 15:32 Central	Water	X	X
MW-5 (180-118552-5)	3/15/21 16:30 Central	Water	X	X
MW-6 (180-118552-6)	3/15/21 14:32 Central	Water	X	X
MW-7 (180-118552-7)	3/15/21 11:13 Central	Water	X	X
MW-8 (180-118552-8)	3/15/21 12:20 Central	Water	X	X
MW-9 (180-118552-9)	3/15/21 13:40 Central	Water	X	X
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica</p>				
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: _____ Time: _____				
Method of Shipment:				
Received by: FED EX Date/Time: _____ Company: _____				
Received by: <i>Steve Wallman</i> Date/Time: <i>3/15/21 09:00</i> Company: <i>ETA P</i>				
Received by: _____ Date/Time: _____ Company: _____				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks:				



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-118552-2

Login Number: 118552

List Source: Eurofins TestAmerica, 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.	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: 180-118552-2

Login Number: 118552

List Number: 2

Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis

List Creation: 03/19/21 12:08 PM

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



Product Name: Low-Flow System

Date: 2021-03-15 16:28:33

Project Information:

Operator Name Philip Evans
Company Name RDH Environmental
Project Name Plant Daniel GSA CCR
Site Name Daniel
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 417744
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 48.3 ft

Well Information:

Well ID MW-1
Well diameter 2 in
Well Total Depth 53.3 ft
Screen Length 10 ft
Depth to Water 20.77 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7478054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	16:06:33	600.04	19.97	4.84	63.70	0.24	20.80	8.12	186.87
Last 5	16:11:33	900.04	20.01	4.84	63.65	0.21	20.80	8.12	185.21
Last 5	16:16:33	1200.04	20.26	4.83	63.79	0.20	20.80	8.15	184.47
Last 5	16:21:33	1500.04	20.32	4.83	63.62	0.18	20.80	8.10	184.83
Last 5	16:26:33	1800.04	20.18	4.81	63.58	0.13	20.80	8.08	185.32
Variance 0			0.25	-0.00	0.14			0.03	-0.74
Variance 1			0.06	-0.01	-0.16			-0.05	0.36
Variance 2			-0.14	-0.01	-0.04			-0.02	0.49

Notes

Sample time @ 1630. PC 72.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 14:26:51

Project Information:

Operator Name Philip Evans
Company Name RDH Environmental
Project Name Plant Daniel GSA CCR
Site Name Daniel
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 417744
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 55 ft

Pump placement from TOC 48.2 ft

Well Information:

Well ID MW-2
Well diameter 2 in
Well Total Depth 53.2 ft
Screen Length 10 ft
Depth to Water 19.30 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7254883 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.6 in
Total Volume Pumped 10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	14:04:12	300.04	19.26	4.87	47.81	1.07	19.35	5.20	194.74
Last 5	14:09:12	600.04	19.32	4.87	48.47	0.98	19.35	5.42	186.24
Last 5	14:14:12	900.04	19.19	4.86	48.80	0.72	19.35	5.56	181.94
Last 5	14:19:13	1201.04	19.26	4.85	49.02	0.42	19.35	5.64	180.18
Last 5	14:24:13	1501.03	19.21	4.83	49.01	0.38	19.35	5.68	178.97
Variance 0			-0.13	-0.01	0.33			0.14	-4.29
Variance 1			0.07	-0.01	0.22			0.07	-1.76
Variance 2			-0.05	-0.01	-0.01			0.04	-1.21

Notes

Sample Time @ 1430. PC 74.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 13:09:31

Project Information:

Operator Name Brett Surles
Company Name RDH
Project Name Gypsum
Site Name Plant Daniel Gypsum wells
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 632615
Turbidity Make/Model HACH

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 49.25 ft

Well Information:

Well ID MW-3
Well diameter 2 in
Well Total Depth 54.25 ft
Screen Length 10 ft
Depth to Water 23.05 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7528054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.05 in
Total Volume Pumped 32 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:48:45	3601.02	22.31	4.56	353.17	0.37	23.10	3.99	123.48
Last 5	12:53:45	3901.02	22.30	4.56	359.21	0.29	23.10	4.03	121.41
Last 5	12:58:45	4201.02	22.60	4.56	358.22	0.34	23.10	4.03	119.88
Last 5	13:03:45	4501.02	22.51	4.57	355.28	0.22	23.10	4.06	119.15
Last 5	13:08:45	4801.02	22.45	4.56	358.50	0.18	23.10	4.07	118.59
Variance 0			0.30	-0.01	-0.99			-0.00	-1.53
Variance 1			-0.09	0.01	-2.94			0.03	-0.73
Variance 2			-0.07	-0.01	3.23			0.01	-0.56

Notes

Sample@1309, cloudy 70

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 15:32:49

Project Information:

Operator Name Brett Surles
Company Name RDH
Project Name Gypsum
Site Name Plant Daniel Gypsum wells
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 632615
Turbidity Make/Model HACH

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 51 ft

Well Information:

Well ID MW-4
Well diameter 2 in
Well Total Depth 56 ft
Screen Length 10 ft
Depth to Water 22.56 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7528054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.04 in
Total Volume Pumped 14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	15:11:49	900.02	23.52	4.87	50.09	0.66	22.60	2.40	113.68
Last 5	15:16:49	1200.02	23.47	4.87	48.92	0.50	22.60	2.45	109.87
Last 5	15:21:49	1500.02	22.98	4.88	48.42	0.43	22.60	2.54	107.78
Last 5	15:26:49	1800.02	23.03	4.88	48.55	0.41	22.60	2.62	106.26
Last 5	15:31:49	2100.02	22.84	4.87	47.93	0.37	22.60	2.67	106.29
Variance 0			-0.49	0.01	-0.49			0.08	-2.09
Variance 1			0.05	0.00	0.13			0.09	-1.52
Variance 2			-0.18	-0.01	-0.63			0.04	0.03

Notes

Sample@1532, cloudy 72

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 16:30:58

Project Information:

Operator Name Brett Surles
Company Name RDH
Project Name Gypsum
Site Name Plant Daniel Gypsum wells
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 632615
Turbidity Make/Model HACH

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 51 ft

Well Information:

Well ID MW-5
Well diameter 2 in
Well Total Depth 56 ft
Screen Length 10 ft
Depth to Water 21.98 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7528054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.02 in
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	16:09:52	600.02	22.41	4.84	49.56	0.44	22.00	2.12	93.43
Last 5	16:14:52	900.02	22.38	4.87	49.46	0.37	22.00	2.13	98.21
Last 5	16:19:52	1200.02	22.76	4.86	49.36	0.21	22.00	2.14	104.27
Last 5	16:24:52	1500.02	22.63	4.83	49.32	0.13	22.00	2.15	105.18
Last 5	16:29:52	1800.02	22.49	4.85	49.15	0.18	22.00	2.15	104.91
Variance 0			0.38	-0.01	-0.10			0.01	6.05
Variance 1			-0.13	-0.03	-0.04			0.01	0.91
Variance 2			-0.14	0.02	-0.17			-0.00	-0.27

Notes

Sample@1630, Cloudy 72

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 14:32:11

Project Information:

Operator Name Brett Surles
Company Name RDH
Project Name Gypsum
Site Name Plant Daniel Gypsum wells
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 632615
Turbidity Make/Model HACH

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 51 ft

Well Information:

Well ID MW-6
Well diameter 2 in
Well Total Depth 56 ft
Screen Length 10 ft
Depth to Water 22.13 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7528054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.02 in
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	14:11:21	600.02	22.36	4.68	48.73	0.44	22.15	2.11	117.31
Last 5	14:16:21	900.02	22.76	4.69	49.12	0.21	22.15	2.18	114.21
Last 5	14:21:21	1200.02	22.32	4.69	48.44	0.19	22.15	2.08	113.49
Last 5	14:26:21	1500.02	22.22	4.70	48.52	0.14	22.15	2.05	111.25
Last 5	14:31:21	1800.04	22.31	4.69	48.62	0.11	22.15	2.05	109.87
Variance 0			-0.44	0.00	-0.67			-0.11	-0.72
Variance 1			-0.10	0.01	0.08			-0.03	-2.24
Variance 2			0.09	-0.01	0.09			0.01	-1.38

Notes

Sample@1432, cloudy 71

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 11:14:19

Project Information:

Operator Name Brett Surles
Company Name RDH
Project Name Gypsum
Site Name Plant Daniel Gypsum wells
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 632615
Turbidity Make/Model HACH

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 49.5 ft

Well Information:

Well ID MW-7
Well diameter 2 in
Well Total Depth 54.5 ft
Screen Length 10 ft
Depth to Water 19.91 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7528054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.03 in
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:57:54	300.07	21.12	4.53	55.36	1.57	19.94	6.88	124.21
Last 5	11:02:54	600.02	21.19	4.50	55.68	1.01	19.94	6.65	125.37
Last 5	11:07:54	900.02	21.16	4.52	56.26	0.58	19.94	6.60	125.35
Last 5	11:12:54	1200.02	21.18	4.52	56.63	0.32	19.94	6.59	124.53
Last 5									
Variance 0			0.08	-0.03	0.31			-0.24	1.16
Variance 1			-0.03	0.01	0.58			-0.04	-0.02
Variance 2			0.02	0.01	0.37			-0.01	-0.81

Notes

Sample@1113, cloudy 72

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 12:19:43

Project Information:

Operator Name Philip Evans
Company Name RDH Environmental
Project Name Plant Daniel GSA CCR
Site Name Daniel
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 417744
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 56 ft

Pump placement from TOC 50.8 ft

Well Information:

Well ID MW-8
Well diameter 2 in
Well Total Depth 55.8 ft
Screen Length 10 ft
Depth to Water 19.74 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7299517 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:02:07	300.08	20.13	4.80	62.22	0.91	19.77	6.52	226.89
Last 5	12:07:07	600.03	20.16	4.78	60.33	0.58	19.77	6.52	220.50
Last 5	12:12:07	900.03	20.12	4.78	61.96	0.45	19.77	6.46	215.38
Last 5	12:17:07	1200.04	20.15	4.78	61.81	0.26	19.77	6.42	211.61
Last 5									
Variance 0			0.03	-0.02	-1.89			-0.00	-6.39
Variance 1			-0.04	-0.00	1.63			-0.06	-5.12
Variance 2			0.02	-0.00	-0.16			-0.03	-3.77

Notes

Sample time @ 1220. Cloudy 70. Dup-01@ fake time 1120.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 13:38:11

Project Information:

Operator Name Philip Evans
Company Name RDH Environmental
Project Name Plant Daniel GSA CCR
Site Name Daniel
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 417744
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 51.2 ft

Well Information:

Well ID MW-9
Well diameter 2 in
Well Total Depth 56.2 ft
Screen Length 10 ft
Depth to Water 19.18 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7478054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.72 in
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	13:16:38	300.04	22.14	4.96	59.06	0.17	19.24	7.77	222.42
Last 5	13:21:54	300.04	19.32	4.86	59.98	0.17	19.24	3.56	196.65
Last 5	13:26:54	600.04	19.14	4.87	58.86	0.18	19.24	3.41	181.95
Last 5	13:31:54	900.04	19.23	4.88	58.73	0.20	19.24	3.48	176.83
Last 5	13:36:54	1200.04	19.28	4.88	58.35	0.22	19.24	3.56	174.98
Variance 0			-0.18	0.01	-1.13			-0.15	-14.71
Variance 1			0.10	0.00	-0.12			0.07	-5.12
Variance 2			0.05	0.00	-0.38			0.09	-1.85

Notes

Sample time @ 1340. Cloudy 72.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-15 15:12:09

Project Information:

Operator Name Philip Evans
Company Name RDH Environmental
Project Name Plant Daniel GSA CCR
Site Name Daniel
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 417744
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED
Tubing Type PE
Tubing Diameter .17 in
Tubing Length 60 ft

Pump placement from TOC 51.4 ft

Well Information:

Well ID MW-10
Well diameter 2 in
Well Total Depth 56.4 ft
Screen Length 10 ft
Depth to Water 20.28 ft

Pumping Information:

Final Pumping Rate 400 mL/min
Total System Volume 0.7478054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.24 in
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	14:55:22	300.04	19.32	4.93	43.68	0.40	20.30	2.71	181.60
Last 5	15:00:22	600.04	19.28	4.92	43.85	0.28	20.30	2.62	170.41
Last 5	15:05:22	900.04	19.34	4.92	43.86	0.25	20.30	2.64	165.83
Last 5	15:10:22	1200.04	19.41	4.93	43.72	0.24	20.30	2.64	164.50
Last 5									
Variance 0			-0.04	-0.01	0.17			-0.09	-11.19
Variance 1			0.06	0.01	0.00			0.02	-4.58
Variance 2			0.07	0.01	-0.14			0.00	-1.33

Notes

Sample time @ 1515. PC 74.

Grab Samples

2nd
Semi-Annual
Monitoring Event

ANALYTICAL REPORT

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

Laboratory Job ID: 180-128264-3
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:
11/17/2021 7:18:00 AM

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

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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

Job ID: 180-128264-3

Job ID: 180-128264-3

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128264-3

Comments

No additional comments.

Receipt

The samples were received on 10/8/2021 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 4.0° C, 4.1° C, 4.8° C, 4.8° C and 5.0° C.

GC Semi VOA

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

Metals

Method 3005A: Batch 376441 redigestion samples 180-128264 -1, MS,MSD were prepped at 25mls/25mls due to limited sample for the re- digestions-- reagents were cut in half spikes were added at normal ml

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

Job ID: 180-128264-3

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Laboratory: Eurofins TestAmerica, 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	06-27-21 *
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	11-11-21
Georgia	State	PA 02-00416	11-11-21
Illinois	NELAP	004375	11-11-21
Kansas	NELAP	E-10350	11-11-21
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	11-11-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	11-11-21
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	11-11-21
New York	NELAP	11182	11-11-21
North Carolina (WW/SW)	State	434	11-11-21
North Dakota	State	R-227	11-11-21
Oregon	NELAP	PA-2151	11-11-21
Pennsylvania	NELAP	02-00416	11-11-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	11-11-21
Texas	NELAP	T104704528	11-11-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	11-11-21
Virginia	NELAP	10043	11-11-21
West Virginia DEP	State	142	11-11-21
Wisconsin	State	998027800	11-11-21

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



Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128264-1	MW-1	Water	10/06/21 15:15	10/08/21 09:15
180-128264-2	MW-2	Water	10/06/21 13:00	10/08/21 09:15
180-128264-3	MW-3	Water	10/06/21 13:45	10/08/21 09:15
180-128264-4	MW-4	Water	10/06/21 15:40	10/08/21 09:15
180-128264-5	MW-5	Water	10/06/21 16:15	10/08/21 09:15
180-128264-6	MW-6	Water	10/06/21 14:45	10/08/21 09:15
180-128264-7	MW-7	Water	10/06/21 12:20	10/08/21 09:15
180-128264-8	MW-8	Water	10/06/21 10:59	10/08/21 09:15
180-128264-9	MW-9	Water	10/06/21 12:20	10/08/21 09:15
180-128264-10	MW-10	Water	10/06/21 14:15	10/08/21 09:15
180-128264-11	DUP-4	Water	10/06/21 17:15	10/08/21 09:15
180-128264-12	FIELD BLANK 03	Water	10/06/21 15:45	10/08/21 09:15

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

Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

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 TestAmerica, 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: 180-128264-3

Client Sample ID: MW-1

Lab Sample ID: 180-128264-1

Date Collected: 10/06/21 15:15

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 11:38	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	25 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 10:45	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:26	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-128264-2

Date Collected: 10/06/21 13:00

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 12:27	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:10	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:32	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-128264-3

Date Collected: 10/06/21 13:45

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 12:44	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:14	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:33	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-4

Lab Sample ID: 180-128264-4

Date Collected: 10/06/21 15:40

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 13:00	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:25	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:34	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-128264-5

Date Collected: 10/06/21 16:15

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 13:16	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:28	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:35	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-128264-6

Date Collected: 10/06/21 14:45

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 13:33	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:32	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:36	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-7

Lab Sample ID: 180-128264-7

Date Collected: 10/06/21 12:20

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 15:30	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:36	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:37	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-8

Lab Sample ID: 180-128264-8

Date Collected: 10/06/21 10:59

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 15:46	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:39	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:38	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-9

Lab Sample ID: 180-128264-9

Date Collected: 10/06/21 12:20

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 16:02	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:43	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			375800	10/19/21 09:39	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-10

Lab Sample ID: 180-128264-10

Date Collected: 10/06/21 14:15

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 16:19	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:47	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			376132	10/21/21 10:07	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: DUP-4

Lab Sample ID: 180-128264-11

Date Collected: 10/06/21 17:15

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 16:35	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:50	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			376132	10/21/21 10:08	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: FIELD BLANK 03

Lab Sample ID: 180-128264-12

Date Collected: 10/06/21 15:45

Matrix: Water

Date Received: 10/08/21 09:15

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			374655	10/09/21 14:25	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	376441	10/26/21 09:00	MM1	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			376786	10/27/21 11:54	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	375391	10/15/21 09:25	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			376132	10/21/21 10:09	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	374821	10/11/21 15:15	KMM	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Analyst References:

Lab: TAL PIT

Batch Type: Prep

MM1 = Mary Beth Miller

Batch Type: Analysis

J1T = Jianwu Tang

KMM = Kendric Moore

RJR = Ron Rosenbaum

RSK = Robert Kurtz

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-1
Date Collected: 10/06/21 15:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-1
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.22		1.00	0.713	mg/L			10/09/21 11:38	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 11:38	1
Sulfate	10.3		1.00	0.756	mg/L			10/09/21 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 10:45	1
Arsenic	0.000469	J	0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 10:45	1
Barium	0.0898		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 10:45	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 10:45	1
Boron	0.0603	J	0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 10:45	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 10:45	1
Calcium	2.49		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 10:45	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 10:45	1
Cobalt	0.00116		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 10:45	1
Lead	0.000171	J	0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 10:45	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 10:45	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 10:45	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 10:45	1
Thallium	0.000249	J	0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 10:45	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		10/15/21 09:25	10/19/21 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	51.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-2
Date Collected: 10/06/21 13:00
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-2
Matrix: Water

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			10/09/21 12:27	1
Fluoride	0.0269	J	0.100	0.0260	mg/L			10/09/21 12:27	1
Sulfate	<0.756		1.00	0.756	mg/L			10/09/21 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:10	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:10	1
Barium	0.0548		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:10	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:10	1
Boron	0.0634	J	0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:10	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:10	1
Calcium	1.04		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:10	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:10	1
Cobalt	0.000908		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:10	1
Lead	0.000230	J	0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:10	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-2

Lab Sample ID: 180-128264-2

Date Collected: 10/06/21 13:00

Matrix: Water

Date Received: 10/08/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:10	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:10	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:10	1
Thallium	0.000191	J	0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:10	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		10/15/21 09:25	10/19/21 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	35.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-3

Lab Sample ID: 180-128264-3

Date Collected: 10/06/21 13:45

Matrix: Water

Date Received: 10/08/21 09:15

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		1.00	0.713	mg/L			10/09/21 12:44	1
Fluoride	0.110		0.100	0.0260	mg/L			10/09/21 12:44	1
Sulfate	2.93		1.00	0.756	mg/L			10/09/21 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:14	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:14	1
Barium	0.195		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:14	1
Beryllium	0.000569	J	0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:14	1
Boron	0.0481	J	0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:14	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:14	1
Calcium	4.54		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:14	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:14	1
Cobalt	0.00327		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:14	1
Lead	0.00107		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:14	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:14	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:14	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:14	1
Thallium	0.000269	J	0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:14	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		10/15/21 09:25	10/19/21 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	80.0		10.0	10.0	mg/L			10/11/21 15:15	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-4
Date Collected: 10/06/21 15:40
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-4
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.88		1.00	0.713	mg/L			10/09/21 13:00	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 13:00	1
Sulfate	1.97		1.00	0.756	mg/L			10/09/21 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:25	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:25	1
Barium	0.0470		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:25	1
Beryllium	0.000186	J	0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:25	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:25	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:25	1
Calcium	1.22		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:25	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:25	1
Cobalt	0.00113		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:25	1
Lead	0.000161	J	0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:25	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:25	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:25	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:25	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:25	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		10/15/21 09:25	10/19/21 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	33.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-5
Date Collected: 10/06/21 16:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-5
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.72		1.00	0.713	mg/L			10/09/21 13:16	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 13:16	1
Sulfate	6.05		1.00	0.756	mg/L			10/09/21 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:28	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:28	1
Barium	0.0508		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:28	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:28	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:28	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:28	1
Calcium	1.34		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:28	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:28	1
Cobalt	0.00137		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:28	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:28	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-5
Date Collected: 10/06/21 16:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:28	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:28	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:28	1
Thallium	0.000231	J	0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:28	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		10/15/21 09:25	10/19/21 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	27.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-6
Date Collected: 10/06/21 14:45
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-6
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		1.00	0.713	mg/L			10/09/21 13:33	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 13:33	1
Sulfate	0.802	J	1.00	0.756	mg/L			10/09/21 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:32	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:32	1
Barium	0.0843		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:32	1
Beryllium	0.000303	J	0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:32	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:32	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:32	1
Calcium	1.50		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:32	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:32	1
Cobalt	0.00274		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:32	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:32	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:32	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:32	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:32	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:32	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		10/15/21 09:25	10/19/21 09:36	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			10/11/21 15:15	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-7
Date Collected: 10/06/21 12:20
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-7
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.75		1.00	0.713	mg/L			10/09/21 15:30	1
Fluoride	0.0317	J	0.100	0.0260	mg/L			10/09/21 15:30	1
Sulfate	<0.756		1.00	0.756	mg/L			10/09/21 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:36	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:36	1
Barium	0.155		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:36	1
Beryllium	0.000403	J	0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:36	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:36	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:36	1
Calcium	2.38		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:36	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:36	1
Cobalt	0.00241		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:36	1
Lead	0.000170	J	0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:36	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:36	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:36	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:36	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:36	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		10/15/21 09:25	10/19/21 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	53.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-8
Date Collected: 10/06/21 10:59
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-8
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.50		1.00	0.713	mg/L			10/09/21 15:46	1
Fluoride	0.0458	J	0.100	0.0260	mg/L			10/09/21 15:46	1
Sulfate	4.11		1.00	0.756	mg/L			10/09/21 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:39	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:39	1
Barium	0.0890		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:39	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:39	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:39	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:39	1
Calcium	2.11		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:39	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:39	1
Cobalt	0.00111		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:39	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:39	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-8

Lab Sample ID: 180-128264-8

Date Collected: 10/06/21 10:59

Matrix: Water

Date Received: 10/08/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:39	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:39	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:39	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:39	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		10/15/21 09:25	10/19/21 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	36.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: MW-9

Lab Sample ID: 180-128264-9

Date Collected: 10/06/21 12:20

Matrix: Water

Date Received: 10/08/21 09:15

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.56		1.00	0.713	mg/L			10/09/21 16:02	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 16:02	1
Sulfate	2.40		1.00	0.756	mg/L			10/09/21 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:43	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:43	1
Barium	0.0305		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:43	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:43	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:43	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:43	1
Calcium	0.748		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:43	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:43	1
Cobalt	0.000969		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:43	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:43	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:43	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:43	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:43	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:43	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		10/15/21 09:25	10/19/21 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	37.0		10.0	10.0	mg/L			10/11/21 15:15	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: MW-10
Date Collected: 10/06/21 14:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-10
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.86		1.00	0.713	mg/L			10/09/21 16:19	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 16:19	1
Sulfate	<0.756		1.00	0.756	mg/L			10/09/21 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:47	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:47	1
Barium	0.0392		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:47	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:47	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:47	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:47	1
Calcium	1.16		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:47	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:47	1
Cobalt	0.00121		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:47	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:47	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:47	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:47	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:47	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:47	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		10/15/21 09:25	10/21/21 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	39.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: DUP-4
Date Collected: 10/06/21 17:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-11
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.10		1.00	0.713	mg/L			10/09/21 16:35	1
Fluoride	0.0361	J	0.100	0.0260	mg/L			10/09/21 16:35	1
Sulfate	5.24		1.00	0.756	mg/L			10/09/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:50	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:50	1
Barium	0.0498		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:50	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:50	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:50	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:50	1
Calcium	1.40		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:50	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:50	1
Cobalt	0.00127		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:50	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:50	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Client Sample ID: DUP-4
Date Collected: 10/06/21 17:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:50	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:50	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:50	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:50	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		10/15/21 09:25	10/21/21 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	28.0		10.0	10.0	mg/L			10/11/21 15:15	1

Client Sample ID: FIELD BLANK 03

Date Collected: 10/06/21 15:45
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-12
Matrix: Water

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			10/09/21 14:25	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 14:25	1
Sulfate	<0.756		1.00	0.756	mg/L			10/09/21 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 11:54	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 11:54	1
Barium	<0.00160		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 11:54	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 11:54	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 11:54	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 11:54	1
Calcium	<0.127		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 11:54	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 11:54	1
Cobalt	<0.000134		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 11:54	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 11:54	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 11:54	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 11:54	1
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 11:54	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 11:54	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		10/15/21 09:25	10/21/21 10:09	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			10/11/21 15:15	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-374655/6
Matrix: Water
Analysis Batch: 374655

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			10/09/21 11:22	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/09/21 11:22	1
Sulfate	<0.756		1.00	0.756	mg/L			10/09/21 11:22	1

Lab Sample ID: LCS 180-374655/5
Matrix: Water
Analysis Batch: 374655

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	50.14		mg/L		100	80 - 120
Fluoride	2.50	2.517		mg/L		101	80 - 120
Sulfate	50.0	49.51		mg/L		99	80 - 120

Lab Sample ID: 180-128264-1 MS
Matrix: Water
Analysis Batch: 374655

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	2.22		50.0	56.45		mg/L		108	80 - 120
Fluoride	<0.0260		2.50	2.722		mg/L		109	80 - 120
Sulfate	10.3		50.0	65.70		mg/L		111	80 - 120

Lab Sample ID: 180-128264-1 MSD
Matrix: Water
Analysis Batch: 374655

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	2.22		50.0	54.77		mg/L		105	80 - 120	3	15
Fluoride	<0.0260		2.50	2.615		mg/L		105	80 - 120	4	15
Sulfate	10.3		50.0	61.97		mg/L		103	80 - 120	6	15

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

Lab Sample ID: MB 180-376441/1-A
Matrix: Water
Analysis Batch: 376786

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000378		0.00200	0.000378	mg/L		10/26/21 09:00	10/27/21 10:37	1
Arsenic	<0.000313		0.00100	0.000313	mg/L		10/26/21 09:00	10/27/21 10:37	1
Barium	<0.00160		0.0100	0.00160	mg/L		10/26/21 09:00	10/27/21 10:37	1
Beryllium	<0.000182		0.00100	0.000182	mg/L		10/26/21 09:00	10/27/21 10:37	1
Boron	<0.0386		0.0800	0.0386	mg/L		10/26/21 09:00	10/27/21 10:37	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/26/21 09:00	10/27/21 10:37	1
Calcium	<0.127		0.500	0.127	mg/L		10/26/21 09:00	10/27/21 10:37	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/26/21 09:00	10/27/21 10:37	1
Cobalt	<0.000134		0.000500	0.000134	mg/L		10/26/21 09:00	10/27/21 10:37	1
Lead	<0.000128		0.00100	0.000128	mg/L		10/26/21 09:00	10/27/21 10:37	1
Lithium	<0.00339		0.00500	0.00339	mg/L		10/26/21 09:00	10/27/21 10:37	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/26/21 09:00	10/27/21 10:37	1

Eurofins TestAmerica, Pittsburgh

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

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

Lab Sample ID: MB 180-376441/1-A
Matrix: Water
Analysis Batch: 376786

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00151		0.00500	0.00151	mg/L		10/26/21 09:00	10/27/21 10:37	1
Thallium	<0.000148		0.00100	0.000148	mg/L		10/26/21 09:00	10/27/21 10:37	1

Lab Sample ID: LCS 180-376441/2-A
Matrix: Water
Analysis Batch: 376786

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.2380		mg/L		95	80 - 120
Arsenic	1.00	0.9870		mg/L		99	80 - 120
Barium	1.00	0.9784		mg/L		98	80 - 120
Beryllium	0.500	0.4916		mg/L		98	80 - 120
Boron	1.25	1.123		mg/L		90	80 - 120
Cadmium	0.500	0.4944		mg/L		99	80 - 120
Calcium	25.0	24.85		mg/L		99	80 - 120
Chromium	0.500	0.4865		mg/L		97	80 - 120
Cobalt	0.500	0.5012		mg/L		100	80 - 120
Lead	0.500	0.4923		mg/L		98	80 - 120
Lithium	0.500	0.4761		mg/L		95	80 - 120
Molybdenum	0.500	0.4989		mg/L		100	80 - 120
Selenium	1.00	0.9872		mg/L		99	80 - 120
Thallium	1.00	0.9830		mg/L		98	80 - 120

Lab Sample ID: 180-128264-1 MS
Matrix: Water
Analysis Batch: 376786

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.000378		0.500	0.4545		mg/L		91	75 - 125
Arsenic	0.000469	J	2.00	1.855		mg/L		93	75 - 125
Barium	0.0898		2.00	1.973		mg/L		94	75 - 125
Beryllium	<0.000182		1.00	0.9031		mg/L		90	75 - 125
Boron	0.0603	J	2.50	2.180		mg/L		85	75 - 125
Cadmium	<0.000217		1.00	0.9394		mg/L		94	75 - 125
Calcium	2.49		50.0	49.72		mg/L		94	75 - 125
Chromium	<0.00153		1.00	0.9204		mg/L		92	75 - 125
Cobalt	0.00116		1.00	0.9436		mg/L		94	75 - 125
Lead	0.000171	J	1.00	0.9334		mg/L		93	75 - 125
Lithium	<0.00339		1.00	0.8717		mg/L		87	75 - 125
Molybdenum	<0.000610		1.00	0.9422		mg/L		94	75 - 125
Selenium	<0.00151		2.00	1.837		mg/L		92	75 - 125
Thallium	0.000249	J	2.00	1.942		mg/L		97	75 - 125

Lab Sample ID: 180-128264-1 MSD
Matrix: Water
Analysis Batch: 376786

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.000378		0.500	0.4583		mg/L		92	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

QC Sample Results

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

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

Lab Sample ID: 180-128264-1 MSD
Matrix: Water
Analysis Batch: 376786

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 376441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.000469	J	2.00	1.911		mg/L		96	75 - 125	3	20
Barium	0.0898		2.00	1.966		mg/L		94	75 - 125	0	20
Beryllium	<0.000182		1.00	0.9020		mg/L		90	75 - 125	0	20
Boron	0.0603	J	2.50	2.285		mg/L		89	75 - 125	5	20
Cadmium	<0.000217		1.00	0.9422		mg/L		94	75 - 125	0	20
Calcium	2.49		50.0	50.58		mg/L		96	75 - 125	2	20
Chromium	<0.00153		1.00	0.9330		mg/L		93	75 - 125	1	20
Cobalt	0.00116		1.00	0.9600		mg/L		96	75 - 125	2	20
Lead	0.000171	J	1.00	0.9518		mg/L		95	75 - 125	2	20
Lithium	<0.00339		1.00	0.8905		mg/L		89	75 - 125	2	20
Molybdenum	<0.000610		1.00	0.9626		mg/L		96	75 - 125	2	20
Selenium	<0.00151		2.00	1.841		mg/L		92	75 - 125	0	20
Thallium	0.000249	J	2.00	1.996		mg/L		100	75 - 125	3	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-375391/1-A
Matrix: Water
Analysis Batch: 375800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 375391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/15/21 09:25	10/19/21 10:57	1

Lab Sample ID: LCS 180-375391/2-A
Matrix: Water
Analysis Batch: 375800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 375391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.002873		mg/L		115	80 - 120

Lab Sample ID: 180-128264-1 MS
Matrix: Water
Analysis Batch: 375800

Client Sample ID: MW-1
Prep Type: Total/NA
Prep Batch: 375391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.000130		0.00100	0.001187		mg/L		119	75 - 125

Lab Sample ID: 180-128264-1 MSD
Matrix: Water
Analysis Batch: 375800

Client Sample ID: MW-1
Prep Type: Total/NA
Prep Batch: 375391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.000130		0.00100	0.001136		mg/L		114	75 - 125	4	20

QC Sample Results

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

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

Lab Sample ID: MB 180-374821/2
Matrix: Water
Analysis Batch: 374821

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			10/11/21 15:15	1

Lab Sample ID: LCS 180-374821/1
Matrix: Water
Analysis Batch: 374821

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	422	434.0		mg/L		103	80 - 120

Lab Sample ID: 180-128264-1 DU
Matrix: Water
Analysis Batch: 374821

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	51.0		47.00		mg/L		8	10

Lab Sample ID: 180-128264-11 DU
Matrix: Water
Analysis Batch: 374821

Client Sample ID: DUP-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	28.0		29.00		mg/L		4	10

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

HPLC/IC

Analysis Batch: 374655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	EPA 9056A	
180-128264-2	MW-2	Total/NA	Water	EPA 9056A	
180-128264-3	MW-3	Total/NA	Water	EPA 9056A	
180-128264-4	MW-4	Total/NA	Water	EPA 9056A	
180-128264-5	MW-5	Total/NA	Water	EPA 9056A	
180-128264-6	MW-6	Total/NA	Water	EPA 9056A	
180-128264-7	MW-7	Total/NA	Water	EPA 9056A	
180-128264-8	MW-8	Total/NA	Water	EPA 9056A	
180-128264-9	MW-9	Total/NA	Water	EPA 9056A	
180-128264-10	MW-10	Total/NA	Water	EPA 9056A	
180-128264-11	DUP-4	Total/NA	Water	EPA 9056A	
180-128264-12	FIELD BLANK 03	Total/NA	Water	EPA 9056A	
MB 180-374655/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-374655/5	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-128264-1 MS	MW-1	Total/NA	Water	EPA 9056A	
180-128264-1 MSD	MW-1	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 375391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	7470A	
180-128264-2	MW-2	Total/NA	Water	7470A	
180-128264-3	MW-3	Total/NA	Water	7470A	
180-128264-4	MW-4	Total/NA	Water	7470A	
180-128264-5	MW-5	Total/NA	Water	7470A	
180-128264-6	MW-6	Total/NA	Water	7470A	
180-128264-7	MW-7	Total/NA	Water	7470A	
180-128264-8	MW-8	Total/NA	Water	7470A	
180-128264-9	MW-9	Total/NA	Water	7470A	
180-128264-10	MW-10	Total/NA	Water	7470A	
180-128264-11	DUP-4	Total/NA	Water	7470A	
180-128264-12	FIELD BLANK 03	Total/NA	Water	7470A	
MB 180-375391/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-375391/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-128264-1 MS	MW-1	Total/NA	Water	7470A	
180-128264-1 MSD	MW-1	Total/NA	Water	7470A	

Analysis Batch: 375800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	EPA 7470A	375391
180-128264-2	MW-2	Total/NA	Water	EPA 7470A	375391
180-128264-3	MW-3	Total/NA	Water	EPA 7470A	375391
180-128264-4	MW-4	Total/NA	Water	EPA 7470A	375391
180-128264-5	MW-5	Total/NA	Water	EPA 7470A	375391
180-128264-6	MW-6	Total/NA	Water	EPA 7470A	375391
180-128264-7	MW-7	Total/NA	Water	EPA 7470A	375391
180-128264-8	MW-8	Total/NA	Water	EPA 7470A	375391
180-128264-9	MW-9	Total/NA	Water	EPA 7470A	375391
MB 180-375391/1-A	Method Blank	Total/NA	Water	EPA 7470A	375391
LCS 180-375391/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	375391

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QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

Metals (Continued)

Analysis Batch: 375800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1 MS	MW-1	Total/NA	Water	EPA 7470A	375391
180-128264-1 MSD	MW-1	Total/NA	Water	EPA 7470A	375391

Analysis Batch: 376132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-10	MW-10	Total/NA	Water	EPA 7470A	375391
180-128264-11	DUP-4	Total/NA	Water	EPA 7470A	375391
180-128264-12	FIELD BLANK 03	Total/NA	Water	EPA 7470A	375391

Prep Batch: 376441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total Recoverable	Water	3005A	
180-128264-2	MW-2	Total Recoverable	Water	3005A	
180-128264-3	MW-3	Total Recoverable	Water	3005A	
180-128264-4	MW-4	Total Recoverable	Water	3005A	
180-128264-5	MW-5	Total Recoverable	Water	3005A	
180-128264-6	MW-6	Total Recoverable	Water	3005A	
180-128264-7	MW-7	Total Recoverable	Water	3005A	
180-128264-8	MW-8	Total Recoverable	Water	3005A	
180-128264-9	MW-9	Total Recoverable	Water	3005A	
180-128264-10	MW-10	Total Recoverable	Water	3005A	
180-128264-11	DUP-4	Total Recoverable	Water	3005A	
180-128264-12	FIELD BLANK 03	Total Recoverable	Water	3005A	
MB 180-376441/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-376441/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-128264-1 MS	MW-1	Total Recoverable	Water	3005A	
180-128264-1 MSD	MW-1	Total Recoverable	Water	3005A	

Analysis Batch: 376786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total Recoverable	Water	EPA 6020B	376441
180-128264-2	MW-2	Total Recoverable	Water	EPA 6020B	376441
180-128264-3	MW-3	Total Recoverable	Water	EPA 6020B	376441
180-128264-4	MW-4	Total Recoverable	Water	EPA 6020B	376441
180-128264-5	MW-5	Total Recoverable	Water	EPA 6020B	376441
180-128264-6	MW-6	Total Recoverable	Water	EPA 6020B	376441
180-128264-7	MW-7	Total Recoverable	Water	EPA 6020B	376441
180-128264-8	MW-8	Total Recoverable	Water	EPA 6020B	376441
180-128264-9	MW-9	Total Recoverable	Water	EPA 6020B	376441
180-128264-10	MW-10	Total Recoverable	Water	EPA 6020B	376441
180-128264-11	DUP-4	Total Recoverable	Water	EPA 6020B	376441
180-128264-12	FIELD BLANK 03	Total Recoverable	Water	EPA 6020B	376441
MB 180-376441/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	376441
LCS 180-376441/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	376441
180-128264-1 MS	MW-1	Total Recoverable	Water	EPA 6020B	376441
180-128264-1 MSD	MW-1	Total Recoverable	Water	EPA 6020B	376441

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-3

General Chemistry

Analysis Batch: 374821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	SM 2540C	
180-128264-2	MW-2	Total/NA	Water	SM 2540C	
180-128264-3	MW-3	Total/NA	Water	SM 2540C	
180-128264-4	MW-4	Total/NA	Water	SM 2540C	
180-128264-5	MW-5	Total/NA	Water	SM 2540C	
180-128264-6	MW-6	Total/NA	Water	SM 2540C	
180-128264-7	MW-7	Total/NA	Water	SM 2540C	
180-128264-8	MW-8	Total/NA	Water	SM 2540C	
180-128264-9	MW-9	Total/NA	Water	SM 2540C	
180-128264-10	MW-10	Total/NA	Water	SM 2540C	
180-128264-11	DUP-4	Total/NA	Water	SM 2540C	
180-128264-12	FIELD BLANK 03	Total/NA	Water	SM 2540C	
MB 180-374821/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-374821/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-128264-1 DU	MW-1	Total/NA	Water	SM 2540C	
180-128264-11 DU	DUP-4	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

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 Environmental Testing
 America

Client Information		Sampler: <u>Philip Evans</u>		Lab PM: <u>Brown, Shali</u>		Carrier Tracking No(s)		COG No:			
Client Contact: SCS Contacts		Phone: <u>850-336-0192</u>		E-Mail: <u>shali.brown@eurofinset.com</u>				Page:			
Company: SCS		Address: 3535 Colonnade Pkwy Bin S 530 EC		Due Date Requested:		Analysis Requested Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> Custom 14 (Appil 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"/>		Job #:			
City: Birmingham		State, Zip: Alabama		TAT Requested (days):				Preservation Codes:			
Phone: 205.992.6283		Email: SCS Contacts		PO #: SCS10382606				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Project Name: Plant Daniel Ash Pond B		Site:		Project #: 18020047				Other:			
SSOW#:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:	
						Preservation Code:					
MW-1		10/6/21		1515		G		W			
MW-2				1300							
MW-3				1345							
MW-4				1540							
MW-5				1615							
MW-6				1445							
MW-7				1220							
MW-8		10/6/21		1059		G		W			
MW-9				1220		G					
MW-10				1415		G					
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer)		<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>10/6/21 1700</u>		Company: <u>RDH</u>		Received by: <u>[Signature]</u>		Date/Time: <u>10/6/21 1700</u>		Company: <u>RDH</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>10/7/21 1530</u>		Company: <u>RDH</u>		Received by: <u>[Signature]</u>		Date/Time: <u>10-8-21</u>		Company: <u>ETAPIT</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: <u>9/15</u>		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

244 ATLANTA
Total Number of Containers



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

Chain of Custody Record

Client Information				Sampler: Philip Evans	Lab PM: Brown, Shali	Carrier Tracking No(s):			COC No.:							
Client Contact: SCS Contacts				Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com				Page:							
Company: SCS				Analysis Requested							Job #:					
Address: 3535 Colonnade Pkwy Bin S 530 EC				Due Date Requested:		Total Number of Containers 244 ATLANTA			Preservation Codes:							
City: Birmingham				TAT Requested (days):					A - HCL		M - Hexane					
State, Zip: Alabama				PO # SCS10382606					B - NaOH		N - None					
Phone: 205.992.6283				WO #:					C - Zn Acetate		O - AsNaO2					
Email: SCS Contacts				Project #: 18020047		D - Nitric Acid		P - Na2O4S								
Project Name: Plant Daniel Ash Pond B				SSOW#:		E - NaHSO4		Q - Na2SO3								
Site:						F - MeOH		R - Na2S2O3								
						G - Amchlor		S - H2SO4								
						H - Ascorbic Acid		T - TSP Dodecahydrate								
						I - Ice		U - Acetone								
						J - DI Water		V - MCAA								
						K - EDTA		W - pH 4-5								
						L - EDA		Z - other (specify)								
						Other:										
Sample Identification				Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom 14 (Appilil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined	Special Instructions/Note:		
Preservation Code:																
BAW-5				10/6/21	0715	G	W			X	X	X	X			
BAW-8					0920											
DU2-03					0720											
BAW-9					0930											
EB-02					0900											
BAW-3					1020											
FB-02					1025											
BAW-2A				10/6/21	1105	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: <i>[Signature]</i>				Date/Time: 10/6/21 1700	Company: RDH	Received by: <i>[Signature]</i>			Date/Time: 10/6/21 1700	Company: RBH						
Relinquished by: <i>[Signature]</i>				Date/Time: 10/7/21 1530	Company: RBH	Received by: <i>[Signature]</i>			Date/Time: 10-8-21	Company: E.A.K.H.						
Relinquished by:				Date/Time:	Company:	Received by:			Date/Time: 9/15	Company:						
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:								

Chain of Custody Record



Client Information					Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:					
Client Contact: SCS Contacts					Phone:		Brown, Shali				Page:					
Company: SCS					Analysis Requested							Job #:				
Address: 3535 Colonnade Pkwy Bin S 530 EC					Due Date Requested:						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)					
City: Birmingham					TAT Requested (days):											
State, Zip: Alabama																
Phone: 205.992.6283					PO #:											
Email: SCS Contacts					WO #:											
Project Name: Plant Daniel GSA (CCR)					Project #:											
Site:					SSOW#:											
Sample Identification					Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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:
					Preservation Code:											
MW-1	10/6/21	1515	G	W							x	x	x	x		
MW-2	10/6/21	1300	G	W							x	x	x	x		
MW-3	10/6/21	1345	G	W							x	x	x	x		
MW-4	10/6/21	1540	G	W							x	x	x	x		
MW-5	10/6/21	1615	G	W							x	x	x	x		
MW-6	10/6/21	1445	G	W							x	x	x	x		
MW-7	10/6/21	1220	G	W							x	x	x	x		
MW-8	10/6/21	1059	G	W							x	x	x	x		
MW-9	10/6/21	1220	G	W							x	x	x	x		
MW-10	10/6/21	1415	G	W							x	x	x	x		
DUP-4	10/6/21	1715	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:				Date/Time:		Company		Received by:				Date/Time:		Company		
Relinquished by:				Date/Time:		Company		Received by:				Date/Time:		Company		
Relinquished by:				Date/Time:		Company		Received by:				Date/Time:		Company		
Custody Seals Intact:				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:				11/17/2021				
<input type="checkbox"/> Yes <input type="checkbox"/> No																





180-128264 Waybill

Part # 156297435 RDR EXP 07/22

SHIP DATE: 07OCT21
ACT WT: 61.85 LB
CAD: 890796/SSE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

(850) 72-1067

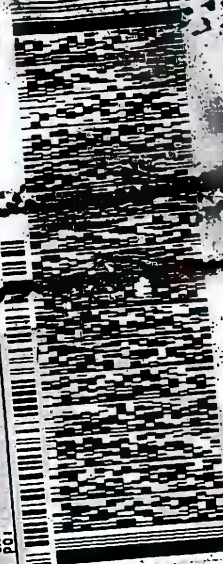
ORIGIN: ID:PNSA
TREVOR BRADDOCK
ROH ENVIROCENTAL
5720 DOVE DR

FACE: FL 32571
UNITED STATES US

TO
TEST AMERICA PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15208

(655) 665-6666
REF: 15218
P.O.#



FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US
PIT

1 of 6
TRK# 2846 4719 908
0201
MASTER

XH AGCA

41 C#0#



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ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR

PACE, FL 32571
UNITED STATES US

SHIP DATE: 070CT21
ACTWGT: 61.85 LB
CAD: 6994796/SSEE2220
DIMS: 26x14x13 IN

BILL THIRD PARTY

TO:

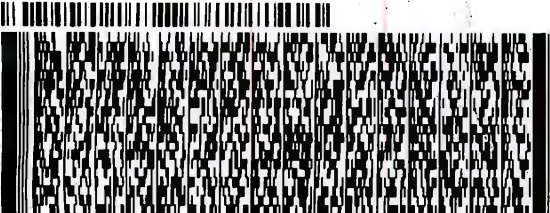
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 656-6566

REF1

DEPT1



4 of 6

MPS# 2846 4719 9115

Mstr# 2846 4719 9089

0201

FRI - 08 OCT 10 30A
PRIORITY OVERNIGHT

XH AGCA

PA-US

Uncorrected temp	44 °C
Thermometer ID	8
CF <input type="checkbox"/>	Initials <u>MO</u>

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

ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES-US

SHIP ACTWGT: 71.00
CAD: 6994796/SSEE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

TO
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 656-6566



6 of 6
MPS# 2846 4719 9137
Mstr# 2846 4719 9089

0201

XH AGCA

FRI - 08 OCT 10 30A
PRIORITY OVERNIGHT

PA-US
15238
PIT



Uncorrected temp
Thermometer ID

4.0 °C
8

CF

Initials MO

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



ORIGIN: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES US

SHIP DATE: 07OCT21
ACTWGT: 59.05 LB
CAD: 6994796/SSFE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

Part # 15629322 BRB-EXP 07/22

TO:
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 555-5555



3 of 6
MPS# 2846 4719 126
0263
Mstr# 2846 4719 009

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XH AGCA



ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES US

SHIP DATE: 07OCT21
ACTWGT: 44.65 LB
CAD: 6994796/SSFE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

Part # 15629322 BRB-EXP 07/22

TO:
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 555-5555



3 of 6
MPS# 2846 4719 9104
0263
Mstr# 2846 4719 9089

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
-US

XH AGCA

Uncorrected temp Thermometer ID
CF "G" initials Mo
PT-WI-SR-001 effective 11/8/18



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-128264-3

Login Number: 128264

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

Laboratory Job ID: 180-128264-4
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:
11/17/2021 7:28:21 AM

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

LINKS

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results through
TotalAccess

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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: 180-128264-4

Job ID: 180-128264-4

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative 180-128264-4

Comments

No additional comments.

Receipt

The samples were received on 10/8/2021 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 4.0° C, 4.1° C, 4.8° C, 4.8° C and 5.0° C.

RAD

Method 9315: Radium 226 batch 531792

The LCS recovered at (73%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (67-118) per method requirements. The LCS passes, no further action is required (LCS 160-531792/1-A)

Method 9315: Radium 226 batch 531792

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 (180-128264-1), MW-2 (180-128264-2), MW-3 (180-128264-3), MW-4 (180-128264-4), MW-5 (180-128264-5), MW-6 (180-128264-6), MW-7 (180-128264-7), MW-8 (180-128264-8), MW-9 (180-128264-9), MW-10 (180-128264-10), DUP-4 (180-128264-11), FIELD BLANK 03 (180-128264-12), (LCS 160-531792/1-A), (LCSD 160-531792/2-A) and (MB 160-531792/23-A)

Method 9320: Radium 228 batch 531797

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 (180-128264-1), MW-2 (180-128264-2), MW-3 (180-128264-3), MW-4 (180-128264-4), MW-5 (180-128264-5), MW-6 (180-128264-6), MW-7 (180-128264-7), MW-8 (180-128264-8), MW-9 (180-128264-9), MW-10 (180-128264-10), DUP-4 (180-128264-11), FIELD BLANK 03 (180-128264-12), (LCS 160-531797/1-A), (LCSD 160-531797/2-A) and (MB 160-531797/23-A)

Method PrecSep_0: Radium-228 Prep Batch 160-531797

The following samples were prepared at a reduced aliquot due to Matrix: MW-8 (180-128264-8), DUP-4 (180-128264-11) and FIELD BLANK 03 (180-128264-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 160-531797

Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-128264-1), MW-2 (180-128264-2), MW-3 (180-128264-3), MW-4 (180-128264-4), MW-5 (180-128264-5), MW-6 (180-128264-6), MW-7 (180-128264-7), MW-9 (180-128264-9) and MW-10 (180-128264-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-531792

The following samples were prepared at a reduced aliquot due to Matrix: MW-8 (180-128264-8), DUP-4 (180-128264-11) and FIELD BLANK 03 (180-128264-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-531792

Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-128264-1), MW-2 (180-128264-2), MW-3 (180-128264-3), MW-4 (180-128264-4), MW-5 (180-128264-5), MW-6 (180-128264-6), MW-7 (180-128264-7), MW-9 (180-128264-9) and MW-10 (180-128264-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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: 180-128264-4

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: 180-128264-4

Laboratory: Eurofins TestAmerica, 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	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-21
California	Los Angeles County Sanitation Districts	10259	06-30-22
California	State	2886	06-30-21 *
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	01-01-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-21
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-21
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	04-01-22
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	03-01-22
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

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

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128264-1	MW-1	Water	10/06/21 15:15	10/08/21 09:15
180-128264-2	MW-2	Water	10/06/21 13:00	10/08/21 09:15
180-128264-3	MW-3	Water	10/06/21 13:45	10/08/21 09:15
180-128264-4	MW-4	Water	10/06/21 15:40	10/08/21 09:15
180-128264-5	MW-5	Water	10/06/21 16:15	10/08/21 09:15
180-128264-6	MW-6	Water	10/06/21 14:45	10/08/21 09:15
180-128264-7	MW-7	Water	10/06/21 12:20	10/08/21 09:15
180-128264-8	MW-8	Water	10/06/21 10:59	10/08/21 09:15
180-128264-9	MW-9	Water	10/06/21 12:20	10/08/21 09:15
180-128264-10	MW-10	Water	10/06/21 14:15	10/08/21 09:15
180-128264-11	DUP-4	Water	10/06/21 17:15	10/08/21 09:15
180-128264-12	FIELD BLANK 03	Water	10/06/21 15:45	10/08/21 09:15

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Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

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 TestAmerica, 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: 180-128264-4

Client Sample ID: MW-1

Lab Sample ID: 180-128264-1

Date Collected: 10/06/21 15:15

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.50 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535779	11/09/21 16:05	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.50 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535779	11/09/21 13:17	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-128264-2

Date Collected: 10/06/21 13:00

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.72 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535779	11/09/21 16:05	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.72 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535779	11/09/21 13:18	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-128264-3

Date Collected: 10/06/21 13:45

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.50 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535777	11/09/21 16:07	FLC	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.50 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535779	11/09/21 13:18	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-4

Lab Sample ID: 180-128264-4

Date Collected: 10/06/21 15:40

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.24 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535777	11/09/21 16:07	FLC	TAL SL
Instrument ID: GFPCRED										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-4

Lab Sample ID: 180-128264-4

Date Collected: 10/06/21 15:40

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.24 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535779	11/09/21 13:18	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-128264-5

Date Collected: 10/06/21 16:15

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.31 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535777	11/09/21 16:08	FLC	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.31 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535779	11/09/21 13:18	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-128264-6

Date Collected: 10/06/21 14:45

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.57 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535779	11/09/21 21:04	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.57 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:18	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-7

Lab Sample ID: 180-128264-7

Date Collected: 10/06/21 12:20

Matrix: Water

Date Received: 10/08/21 09:15

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			1000.09 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:06	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.09 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-7
Date Collected: 10/06/21 12:20
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-7
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			536228	11/12/21 01:12	EMH	TAL SL

Client Sample ID: MW-8
Date Collected: 10/06/21 10:59
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-8
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			750.34 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:06	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			750.34 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-9
Date Collected: 10/06/21 12:20
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-9
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			1000.62 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:06	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.62 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-10
Date Collected: 10/06/21 14:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-10
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			1000.07 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:07	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.07 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: DUP-4
Date Collected: 10/06/21 17:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-11
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			750.26 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:07	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			750.26 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: FIELD BLANK 03
Date Collected: 10/06/21 15:45
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-12
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			750.34 mL	1.0 g	531792	10/14/21 10:14	BMP	TAL SL
Total/NA	Analysis	9315		1			535780	11/09/21 21:07	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			750.34 mL	1.0 g	531797	10/14/21 11:05	BMP	TAL SL
Total/NA	Analysis	9320		1			535780	11/09/21 13:19	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			536228	11/12/21 01:12	EMH	TAL SL
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL SL

Batch Type: Prep

BMP = Bailey Pinette

Batch Type: Analysis

EMH = Elizabeth Hoerchler

FLC = Fernando Cruz

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-1

Lab Sample ID: 180-128264-1

Date Collected: 10/06/21 15:15

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.543		0.281	0.285	1.00	0.355	pCi/L	10/14/21 10:14	11/09/21 16:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 10:14	11/09/21 16:05	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.26		0.333	0.353	1.00	0.418	pCi/L	10/14/21 11:05	11/09/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 11:05	11/09/21 13:17	1
Y Carrier	83.7		40 - 110					10/14/21 11:05	11/09/21 13:17	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	1.81		0.436	0.454	5.00	0.418	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-2

Lab Sample ID: 180-128264-2

Date Collected: 10/06/21 13:00

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.663		0.338	0.344	1.00	0.448	pCi/L	10/14/21 10:14	11/09/21 16:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		40 - 110					10/14/21 10:14	11/09/21 16:05	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.986		0.287	0.301	1.00	0.359	pCi/L	10/14/21 11:05	11/09/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		40 - 110					10/14/21 11:05	11/09/21 13:18	1
Y Carrier	82.6		40 - 110					10/14/21 11:05	11/09/21 13:18	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-2

Lab Sample ID: 180-128264-2

Date Collected: 10/06/21 13:00

Matrix: Water

Date Received: 10/08/21 09:15

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	1.65		0.443	0.457	5.00	0.448	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-3

Lab Sample ID: 180-128264-3

Date Collected: 10/06/21 13:45

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.76		0.425	0.454	1.00	0.364	pCi/L	10/14/21 10:14	11/09/21 16:07	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	100		40 - 110					10/14/21 10:14	11/09/21 16:07	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.72		0.492	0.600	1.00	0.480	pCi/L	10/14/21 11:05	11/09/21 13:18	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	100		40 - 110					10/14/21 11:05	11/09/21 13:18	1
Y Carrier	82.2		40 - 110					10/14/21 11:05	11/09/21 13:18	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	5.48		0.650	0.752	5.00	0.480	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-4

Lab Sample ID: 180-128264-4

Date Collected: 10/06/21 15:40

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.430		0.238	0.241	1.00	0.296	pCi/L	10/14/21 10:14	11/09/21 16:07	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	100		40 - 110					10/14/21 10:14	11/09/21 16:07	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-4

Lab Sample ID: 180-128264-4

Date Collected: 10/06/21 15:40

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.965		0.303	0.316	1.00	0.391	pCi/L	10/14/21 11:05	11/09/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					10/14/21 11:05	11/09/21 13:18	1
Y Carrier	78.5		40 - 110					10/14/21 11:05	11/09/21 13:18	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	1.39		0.385	0.397	5.00	0.391	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-5

Lab Sample ID: 180-128264-5

Date Collected: 10/06/21 16:15

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.190	U	0.234	0.235	1.00	0.386	pCi/L	10/14/21 10:14	11/09/21 16:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					10/14/21 10:14	11/09/21 16:08	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.635		0.403	0.408	1.00	0.629	pCi/L	10/14/21 11:05	11/09/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					10/14/21 11:05	11/09/21 13:18	1
Y Carrier	80.7		40 - 110					10/14/21 11:05	11/09/21 13:18	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	0.826		0.466	0.471	5.00	0.629	pCi/L		11/12/21 01:12	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-6

Date Collected: 10/06/21 14:45

Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-6

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	0.403	U	0.283	0.285	1.00	0.416	pCi/L	10/14/21 10:14	11/09/21 21:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					10/14/21 10:14	11/09/21 21:04	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.22		0.339	0.357	1.00	0.444	pCi/L	10/14/21 11:05	11/09/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					10/14/21 11:05	11/09/21 13:18	1
Y Carrier	82.6		40 - 110					10/14/21 11:05	11/09/21 13:18	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	1.63		0.442	0.457	5.00	0.444	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-7

Date Collected: 10/06/21 12:20

Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-7

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	0.980		0.400	0.410	1.00	0.487	pCi/L	10/14/21 10:14	11/09/21 21:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.1		40 - 110					10/14/21 10:14	11/09/21 21:06	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.76		0.515	0.574	1.00	0.573	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.1		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	82.6		40 - 110					10/14/21 11:05	11/09/21 13:19	1

Eurofins TestAmerica, Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-7
Date Collected: 10/06/21 12:20
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-7
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	3.74		0.652	0.705	5.00	0.573	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-8
Date Collected: 10/06/21 10:59
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-8
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	0.629		0.361	0.366	1.00	0.496	pCi/L	10/14/21 10:14	11/09/21 21:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.9		40 - 110					10/14/21 10:14	11/09/21 21:06	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.60		0.424	0.449	1.00	0.524	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.9		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	82.2		40 - 110					10/14/21 11:05	11/09/21 13:19	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	2.23		0.557	0.579	5.00	0.524	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-9
Date Collected: 10/06/21 12:20
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-9
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	0.249	U	0.237	0.239	1.00	0.374	pCi/L	10/14/21 10:14	11/09/21 21:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					10/14/21 10:14	11/09/21 21:06	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: MW-9

Lab Sample ID: 180-128264-9

Date Collected: 10/06/21 12:20

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.634		0.281	0.287	1.00	0.402	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	83.7		40 - 110					10/14/21 11:05	11/09/21 13:19	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	0.883		0.368	0.373	5.00	0.402	pCi/L		11/12/21 01:12	1

Client Sample ID: MW-10

Lab Sample ID: 180-128264-10

Date Collected: 10/06/21 14:15

Matrix: Water

Date Received: 10/08/21 09:15

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.224	U	0.219	0.220	1.00	0.347	pCi/L	10/14/21 10:14	11/09/21 21:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 10:14	11/09/21 21:07	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.383	U	0.258	0.260	1.00	0.400	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	84.9		40 - 110					10/14/21 11:05	11/09/21 13:19	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	0.606		0.338	0.341	5.00	0.400	pCi/L		11/12/21 01:12	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: DUP-4
Date Collected: 10/06/21 17:15
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-11
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	0.180	U	0.292	0.292	1.00	0.502	pCi/L	10/14/21 10:14	11/09/21 21:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 10:14	11/09/21 21:07	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.392	0.405	1.00	0.535	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	83.0		40 - 110					10/14/21 11:05	11/09/21 13:19	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	1.27		0.489	0.499	5.00	0.535	pCi/L		11/12/21 01:12	1

Client Sample ID: FIELD BLANK 03

Date Collected: 10/06/21 15:45
Date Received: 10/08/21 09:15

Lab Sample ID: 180-128264-12
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	0.0786	U	0.273	0.273	1.00	0.503	pCi/L	10/14/21 10:14	11/09/21 21:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		40 - 110					10/14/21 10:14	11/09/21 21:07	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.370	U	0.330	0.331	1.00	0.530	pCi/L	10/14/21 11:05	11/09/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		40 - 110					10/14/21 11:05	11/09/21 13:19	1
Y Carrier	86.4		40 - 110					10/14/21 11:05	11/09/21 13:19	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Client Sample ID: FIELD BLANK 03

Lab Sample ID: 180-128264-12

Date Collected: 10/06/21 15:45

Matrix: Water

Date Received: 10/08/21 09:15

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	0.449	U	0.428	0.429	5.00	0.530	pCi/L		11/12/21 01:12	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-531792/23-A
Matrix: Water
Analysis Batch: 535808

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531792

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1750	U	0.199	0.200	1.00	0.325	pCi/L	10/14/21 10:14	11/10/21 08:01	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	99.2		40 - 110		10/14/21 10:14	11/10/21 08:01	1			

Lab Sample ID: LCS 160-531792/1-A
Matrix: Water
Analysis Batch: 535779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531792

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	8.236		1.16	1.00	0.402	pCi/L	73	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	99.0		40 - 110						

Lab Sample ID: LCSD 160-531792/2-A
Matrix: Water
Analysis Batch: 535779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 531792

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-226	11.3	9.338		1.27	1.00	0.428	pCi/L	82	75 - 125	0.45	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	104		40 - 110								

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-531797/23-A
Matrix: Water
Analysis Batch: 535780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531797

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.8979		0.300	0.311	1.00	0.406	pCi/L	10/14/21 11:05	11/09/21 13:21	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	99.2		40 - 110		10/14/21 11:05	11/09/21 13:21	1			
Y Carrier	87.1		40 - 110		10/14/21 11:05	11/09/21 13:21	1			

QC Sample Results

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

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

Lab Sample ID: LCS 160-531797/1-A
Matrix: Water
Analysis Batch: 535779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531797

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
									75	125
Radium-228	9.16	10.69		1.23	1.00	0.402	pCi/L	117	75	125
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.0		40 - 110							
Y Carrier	81.9		40 - 110							

Lab Sample ID: LCSD 160-531797/2-A
Matrix: Water
Analysis Batch: 535779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 531797

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER	Limit
									75	125	0.66	1
Radium-228	9.16	9.193		1.06	1.00	0.322	pCi/L	100	75	125	0.66	1
LCSD LCSD												
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	104		40 - 110									
Y Carrier	85.6		40 - 110									

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-128264-4

Rad

Prep Batch: 531792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	PrecSep-21	
180-128264-2	MW-2	Total/NA	Water	PrecSep-21	
180-128264-3	MW-3	Total/NA	Water	PrecSep-21	
180-128264-4	MW-4	Total/NA	Water	PrecSep-21	
180-128264-5	MW-5	Total/NA	Water	PrecSep-21	
180-128264-6	MW-6	Total/NA	Water	PrecSep-21	
180-128264-7	MW-7	Total/NA	Water	PrecSep-21	
180-128264-8	MW-8	Total/NA	Water	PrecSep-21	
180-128264-9	MW-9	Total/NA	Water	PrecSep-21	
180-128264-10	MW-10	Total/NA	Water	PrecSep-21	
180-128264-11	DUP-4	Total/NA	Water	PrecSep-21	
180-128264-12	FIELD BLANK 03	Total/NA	Water	PrecSep-21	
MB 160-531792/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-531792/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-531792/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 531797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128264-1	MW-1	Total/NA	Water	PrecSep_0	
180-128264-2	MW-2	Total/NA	Water	PrecSep_0	
180-128264-3	MW-3	Total/NA	Water	PrecSep_0	
180-128264-4	MW-4	Total/NA	Water	PrecSep_0	
180-128264-5	MW-5	Total/NA	Water	PrecSep_0	
180-128264-6	MW-6	Total/NA	Water	PrecSep_0	
180-128264-7	MW-7	Total/NA	Water	PrecSep_0	
180-128264-8	MW-8	Total/NA	Water	PrecSep_0	
180-128264-9	MW-9	Total/NA	Water	PrecSep_0	
180-128264-10	MW-10	Total/NA	Water	PrecSep_0	
180-128264-11	DUP-4	Total/NA	Water	PrecSep_0	
180-128264-12	FIELD BLANK 03	Total/NA	Water	PrecSep_0	
MB 160-531797/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-531797/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-531797/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

eurofins
 Environmental Testing
 America

Client Information		Sampler: <u>Philip Evans</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:			
Company: SCS		Address: 3535 Colonnade Pkwy Bin S 530 EC		Due Date Requested:		Analysis Requested Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> Custom 14 (Appil 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"/>		Job #:			
City: Birmingham		State, Zip: Alabama		TAT Requested (days):				Preservation Codes:			
Phone: 205.992.6283		Email: SCS Contacts		PO #: SCS10382606				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Project Name: Plant Daniel Ash Pond B		Site:		Project #: 18020047				Other:			
SSOW#:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:	
						Preservation Code:					
MW-1		10/6/21		1515		G		W			
MW-2		↓		1300		↓		↓			
MW-3		↓		1345		↓		↓			
MW-4		↓		1540		↓		↓			
MW-5		↓		1615		↓		↓			
MW-6		↓		1445		↓		↓			
MW-7		↓		1220		↓		↓			
MW-8		10/6/21		1059		G		W			
MW-9		↓		1220		G		↓			
MW-10		↓		1415		G		↓			
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer)		<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>10/6/21 1700</u>		Company: <u>RDLH</u>		Received by: <u>[Signature]</u>		Date/Time: <u>10/6/21 1700</u>		Company: <u>RDLH</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>10/7/21 1530</u>		Company: <u>RDLH</u>		Received by: <u>[Signature]</u>		Date/Time: <u>10-8-21 9:15</u>		Company: <u>[Signature]</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:					

244 ATLANTA
Total Number of Containers



Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

Client Information		Sampler: Philip Evans	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No.:																								
Client Contact SCS Contacts		Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page:																								
Company: SCS		Analysis Requested			Job #:																								
Address: 3535 Colonnade Pkwy Bin S 530 EC					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)																								
Due Date Requested:		<table border="1"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>Custom 14 (Appilil and IV) + Mercury</th> <th>Chloride Fluoride and Sulfate</th> <th>Total Dissolved Solids</th> <th>Radium 226 Radium 228 + Combined</th> </tr> <tr> <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> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom 14 (Appilil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined																			Other:
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)				Custom 14 (Appilil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined																					
City: Birmingham		TAT Requested (days):			Special Instructions/Note:																								
State, Zip: Alabama		PO # SCS10382606																											
Phone: 205.992 6283		WO #																											
Email: SCS Contacts		Project #: 18020047																											
Project Name: Plant Daniel Ash Pond B		SSOW#:																											
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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom 14 (Appilil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined																		
Preservation Code:																													
BAW-5	10/6/21	0715	G	W			X	X	X	X																			
BAW-8		0920																											
DU2-03		0720																											
BAW-9		0930																											
EB-02		0900																											
BAW-3		1020																											
FB-02		1025																											
BAW-2A	10/6/21	1105	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:		Date/Time: 10/6/21 1700	Company: RDH	Received by:		Date/Time: 10/6/21 1700	Company: RBH																						
Relinquished by:		Date/Time: 10/7/21 1530	Company: RBH	Received by:		Date/Time: 10-8-21	Company: EIAKH																						
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time: 9/15	Company:																						
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:																							

244 ATLANTA
Total Number of containers

Eurofins TestAmerica, Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh, PA 15238

Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record



Environment Testing
America

Client Information				Sampler:	Lab PM: Brown, Shali				Carrier Tracking No(s):				COC No:													
Client Contact: SCS Contacts				Phone:	E-Mail: shali.brown@eurofinset.com								Page:													
Company: SCS				Analysis Requested												Job #:										
Address: 3535 Colonnade Pkwy Bin S 530 EC				Due Date Requested:				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				Preservation Codes:										
City: Birmingham				TAT Requested (days):												A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA 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)										
State, Zip: Alabama																Other:										
Phone: 205.992.6283				PO #: SCS10382606																						
Email: SCS Contacts				WO #:																						
Project Name: Plant Daniel GSA (CCR)				Project #: 18020047																						
Site:				SSOW#:																						
Sample Identification				Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)													Special Instructions/Note:						
							Preservation Code:																			
MW-1	10/6/21	1515	G	W				x	x	x	x															
MW-2	10/6/21	1300	G	W				x	x	x	x															
MW-3	10/6/21	1345	G	W				x	x	x	x															
MW-4	10/6/21	1540	G	W				x	x	x	x															
MW-5	10/6/21	1615	G	W				x	x	x	x															
MW-6	10/6/21	1445	G	W				x	x	x	x															
MW-7	10/6/21	1220	G	W				x	x	x	x															
MW-8	10/6/21	1059	G	W				x	x	x	x															
MW-9	10/6/21	1220	G	W				x	x	x	x															
MW-10	10/6/21	1415	G	W				x	x	x	x															
DUP-4	10/6/21	1715	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:				Date/Time:				Company				Received by:				Date/Time:				Company						
Relinquished by:				Date/Time:				Company				Received by:				Date/Time:				Company						
Relinquished by:				Date/Time:				Company				Received by:				Date/Time:				Company						
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:												11/17/2021						

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180-128264 Waybill

Part # 156297435 RDR EXP 07/22

SHIP DATE: 07OCT21
ACT WT: 16.85 LB
CAD: 890796/SSE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

(850) 72-1067

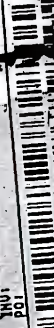
ORIGIN ID: PNSA
TREVOR BRADDOCK
ROH ENVIROCENTAL
5720 DOVE DR

FACE: FL 32571
UNITED STATES US

TO
TEST AMERICA PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15208

(655) 665-6666
REF: 15218
P.O.#



FedEx
Express



FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US
PIT

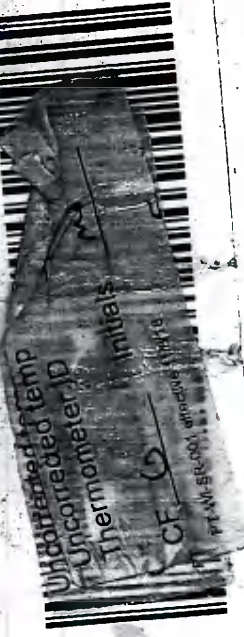
1 of 6

TRK# 2846 4719 908

0201
MASTER

XH AGCA

41 C/O #



Uncooled Temp
Uncooled Temp
Thermometer ID
CFE
PT-WH-554-001 effective 11/17/21

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

ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR

PACE, FL 32571
UNITED STATES US

SHIP DATE: 070CT21
ACTWGT: 61.85 LB
CAD: 6994796/SSEE2220
DIMS: 26x14x13 IN

BILL THIRD PARTY

TO:

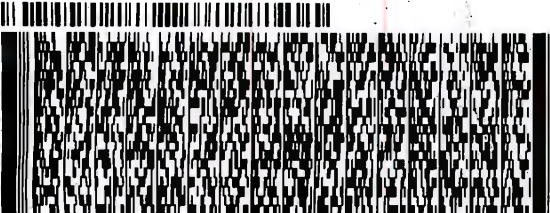
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 656-6566

REF1

DEPT1



4 of 6

MPS# 2846 4719 9115

Mstr# 2846 4719 9089

0201

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT

XH AGCA

PA-US

Uncorrected temp	44 °C
Thermometer ID	8
CF <input type="checkbox"/>	Initials <u>MO</u>

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

ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES US

SHIP ACTWGT: 71.00
CAD: 6994796/SSEE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

TO
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 656-6566



6 of 6
MPS# 2846 4719 9137
Mstr# 2846 4719 9089

0201

XH AGCA

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT

PA-US
15238
PIT

Uncorrected temp
Thermometer ID

4.0 °C
8

CF Initials MO

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



ORIGIN: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES US

SHIP DATE: 07OCT21
ACTWGT: 59.05 LB
CAD: 6994796/SSFE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

Part # 1562932222/RRB-EXP 07/22

TO:
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 555-5555



3 of 6
MPS# 2846 4719 126
0263
Mstr# 2846 4719 0099

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XH AGCA



ORIGIN ID: PNSA (850) 572-1067
TREVOR BRADDOCK
RDH ENVIRONMENTAL
5720 DOVE DR
PACE, FL 32571
UNITED STATES US

SHIP DATE: 07OCT21
ACTWGT: 44.65 LB
CAD: 6994796/SSFE2220
DIMS: 26x14x13 IN
BILL THIRD PARTY

Part # 1562932222/RRB-EXP 07/22

TO:
TEST AMERICA PITTSBURG
301 ALPHA DR

PITTSBURGH PA 15238

(555) 555-5555



3 of 6
MPS# 2846 4719 9104
0263
Mstr# 2846 4719 9089

FRI - 08 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
-US

XH AGCA

Uncorrected temp Thermometer ID

CF "G" initials Mo

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



Eurofins TestAmerica, Pittsburgh

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



Environment Testing
 America



Chain of Custody Record

Client Information (Sub Contract Lab)
 Lab PM: Brown, Shali
 State of Origin: Mississippi
 Carrier Tracking No(s): 180-446541 1
 Shipping/Receiving: Shali.Brown@Eurofinset.com
 Page: Page 1 of 1
 Company: TestAmerica Laboratories, Inc.
 Accreditations Required (See note): 180-128264-2
 Job #: 180-128264-2
 Address: 13715 Rider Trail North,
 City: Earth City
 State, Zip: MO, 63045
 Phone: 314-298-8566 (Tel) 314-298-8757 (Fax)
 Email:
 Project Name: Plant Daniel Ash Pond B
 Project #: 18020047
 Site:
 SOW#:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Operator, ST-Tissue, Acid)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	9320_Ra228/PreSep_0 Standard Target List	9315_Ra226/PreSep_21 Radium 226	Ra226Ra228 GPPC	Analysis Requested	Total Number of Containers	Special Instructions/Note:
MW-1 (180-128264-1)	10/6/21	15:15 Central	Water	Water	X	X	X	X	X		2	
MW-2 (180-128264-2)	10/6/21	13:00 Central	Water	Water	X	X	X	X	X		2	
MW-3 (180-128264-3)	10/6/21	13:45 Central	Water	Water	X	X	X	X	X		2	
MW-4 (180-128264-4)	10/6/21	15:40 Central	Water	Water	X	X	X	X	X		2	
MW-5 (180-128264-5)	10/6/21	16:15 Central	Water	Water	X	X	X	X	X		2	
MW-6 (180-128264-6)	10/6/21	14:45 Central	Water	Water	X	X	X	X	X		2	
MW-7 (180-128264-7)	10/6/21	12:20 Central	Water	Water	X	X	X	X	X		2	
MW-8 (180-128264-8)	10/6/21	10:59 Central	Water	Water	X	X	X	X	X		2	
MW-9 (180-128264-9)	10/6/21	12:20 Central	Water	Water	X	X	X	X	X		2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

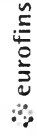
Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Method of Shipment
Mo	10-11-21 17:00	SAFH	FEDEX
Relinquished by	Date/Time	Company	Received by
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:	



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

Chain of Custody Record



Environment Testing
 America



Client Information (Sub Contract Lab)	Smpler: Brown, Shali	Lab PM: Brown, Shali	Carrier Tracking No(s): 180-446540.1
Client Contact: Shipping/Receiving	Phone: Shali.Brown@Eurofinset.com	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Mississippi
Company: TestAmerica Laboratories, Inc.	Accreditations Required (See note)		Page: Page 1 of 2
Address: 13715 Rider Trail North, Earth City, MO, 63045	Due Date Requested: 11/10/2021		Job #: 180-128264-2
Phone: 314-298-8566 (Tel) 314-298-8757 (Fax)	TAT Requested (days):		
Email:	PO #:		
	WO #:		
Project Name: Plant Daniel Ash Pond B	Project #: 18020047		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other, T=tissue, A=air)	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	Analysis Requested	Total Number of Containers	Special Instructions/Note:
MW-10 (180-128264-10)	10/6/21	14:15 Central	Water	Water	X	X	X	X	X		2	
DUP-4 (180-128264-11)	10/6/21	17:15 Central	Water	Water	X	X	X	X	X		2	
FIELD BLANK 03 (180-128264-12)	10/6/21	15:45 Central	Water	Water	X	X	X	X	X		2	
BAW-5 (180-128264-13)	10/6/21	07:15 Central	Water	Water	X	X	X	X	X		2	
BAW-8 (180-128264-14)	10/6/21	08:20 Central	Water	Water	X	X	X	X	X		2	
DUP-03 (180-128264-15)	10/6/21	07:20 Central	Water	Water	X	X	X	X	X		2	
BAW-9 (180-128264-16)	10/6/21	09:30 Central	Water	Water	X	X	X	X	X		2	
EB-02 (180-128264-17)	10/6/21	09:00 Central	Water	Water	X	X	X	X	X		2	
BAW-3 (180-128264-18)	10/6/21	10:20 Central	Water	Water	X	X	X	X	X		2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
 Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

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

Special Instructions/QC Requirements:

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

Relinquished by: **MS** Date/Time: **10-11-21 17:00** Company: **Excalibur**

Relinquished by: **FED EX** Date/Time: _____ Company: _____

Relinquished by: **MICHA KENNING** Date/Time: _____ Company: _____

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



Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No							
Client Contact Shipping/Receiving		Brown, Shall	Brown, Shall		180-446540.2							
Company TestAmerica Laboratories, Inc.		E-Mail Shall.Brown@Eurofinset.com		State of Origin Mississippi	Page Page 2 of 2							
Address 13715 Rider Trail North,		Accreditations Required (See note)		Job # 180-128254-2	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: 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 X - EDTA Z - other (specify)							
City Earth City		Due Date Requested: 11/10/2021										
State, Zip MO, 63045		TAT Requested (days):										
Phone 314-298-8566(Tel) 314-298-8757(Fax)		PO #										
Email		WO #										
Project Name Plant Daniel Ash Pond B		Project # 18020047										
Site		SSOW#										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, ST=Slur, AA=As)	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_FPC	Analysis Requested	Total Number of Containers	Special Instructions/Note:
FB-02 (180-128264-19)	10/6/21	10:25 Central	Water	Water	X	X	X	X	X		2	
BAW-2A (180-128264-20)	10/6/21	11:05 Central	Water	Water	X	X	X	X	X		2	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.												
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: _____ Date/Time: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No												
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:												
Received by: Michael Kennington Date/Time: 10-11-21 17:00 Company: STAFF Method of Shipment: FED EX Cooler Temperature(s) °C and Other Remarks:												



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-128264-4

Login Number: 128264

List Source: Eurofins TestAmerica, 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.	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: 180-128264-4

Login Number: 128264

List Number: 2

Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis

List Creation: 10/12/21 04:16 PM

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



Low-Flow Test Report:

Test Date / Time: 10/6/2021 2:46:29 PM

Project: Daniel gsa ccr (6)

Operator Name: Trevor braddock

Location Name: Mw-1 Latitude: 30.5577802446929 Longitude: -88.548861220479 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.3 ft Total Depth: 53.3 ft Initial Depth to Water: 18.55 ft	Pump Type: Qed Tubing Type: Pe Pump Intake From TOC: 48.3 ft Estimated Total Volume Pumped: 9360 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
---	--	--

Test Notes:

Sample time 1515

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 2:46 PM	00:00	4.87 pH	21.84 °C	57.22 µS/cm	7.09 mg/L	8.36 NTU	166.0 mV	18.55 ft	400.00 ml/min
10/6/2021 2:51 PM	05:00	4.88 pH	21.04 °C	57.94 µS/cm	7.25 mg/L	3.12 NTU	139.3 mV	18.55 ft	400.00 ml/min
10/6/2021 2:54 PM	08:24	4.88 pH	20.79 °C	58.50 µS/cm	7.31 mg/L	2.52 NTU	165.0 mV	18.55 ft	400.00 ml/min
10/6/2021 2:59 PM	13:24	4.88 pH	20.89 °C	58.35 µS/cm	7.28 mg/L	2.31 NTU	136.2 mV	18.55 ft	400.00 ml/min
10/6/2021 3:04 PM	18:24	4.89 pH	20.84 °C	58.45 µS/cm	7.31 mg/L	2.01 NTU	135.6 mV	18.55 ft	400.00 ml/min
10/6/2021 3:09 PM	23:24	4.90 pH	20.91 °C	58.37 µS/cm	7.28 mg/L	1.98 NTU	134.9 mV	18.55 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 10/6/2021 12:43:07 PM

Project: Daniel gsa ccr (4)

Operator Name: Trevor braddock

Location Name: Mw-2 Latitude: 30.5553836173156 Longitude: -88.5464988648892 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.2 ft Total Depth: 53.2 ft Initial Depth to Water: 17.3 ft	Pump Type: Qed Tubing Type: Pe Pump Intake From TOC: 48.2 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: 736137
---	--	--

Test Notes:

Sample 1300

Weather Conditions:

Cloudy 70

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 12:43 PM	00:00	5.22 pH	25.28 °C	42.37 µS/cm	5.66 mg/L	0.55 NTU	146.9 mV	17.30 ft	400.00 ml/min
10/6/2021 12:48 PM	05:00	4.93 pH	21.54 °C	46.62 µS/cm	4.46 mg/L	0.54 NTU	133.6 mV	17.30 ft	400.00 ml/min
10/6/2021 12:53 PM	10:00	4.91 pH	21.45 °C	47.25 µS/cm	4.38 mg/L	0.55 NTU	130.1 mV	17.30 ft	400.00 ml/min
10/6/2021 12:58 PM	15:00	4.89 pH	21.50 °C	46.68 µS/cm	4.28 mg/L	0.55 NTU	130.9 mV	17.30 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 10/6/2021 12:45:36 PM

Project: Plant Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-3 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 44.25 ft Total Depth: 54.25 ft Initial Depth to Water: 21.6 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 49.25 ft Estimated Total Volume Pumped: 22000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	---	--

Test Notes:

Sample time @ 1345. Pc 88.

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	+/- 0.2	
10/6/2021 12:45 PM	00:00	4.53 pH	25.42 °C	174.49 µS/cm	4.11 mg/L	0.36 NTU	129.9 mV	21.65 ft	400.00 ml/min
10/6/2021 12:50 PM	05:00	4.32 pH	26.14 °C	106.02 µS/cm	3.97 mg/L	0.22 NTU	139.1 mV	21.65 ft	400.00 ml/min
10/6/2021 12:55 PM	10:00	4.35 pH	24.89 °C	101.16 µS/cm	3.96 mg/L	0.25 NTU	133.6 mV	21.65 ft	400.00 ml/min
10/6/2021 1:00 PM	15:00	4.36 pH	24.24 °C	100.73 µS/cm	4.00 mg/L	0.24 NTU	133.8 mV	21.65 ft	400.00 ml/min
10/6/2021 1:05 PM	20:00	4.32 pH	24.06 °C	103.13 µS/cm	4.07 mg/L	0.24 NTU	135.8 mV	21.65 ft	400.00 ml/min
10/6/2021 1:10 PM	25:00	4.32 pH	25.55 °C	111.13 µS/cm	4.04 mg/L	0.26 NTU	136.7 mV	21.65 ft	400.00 ml/min
10/6/2021 1:15 PM	30:00	4.32 pH	25.64 °C	105.65 µS/cm	4.05 mg/L	0.25 NTU	136.6 mV	21.65 ft	400.00 ml/min
10/6/2021 1:20 PM	35:00	4.35 pH	24.37 °C	104.42 µS/cm	4.05 mg/L	0.22 NTU	135.9 mV	21.65 ft	400.00 ml/min
10/6/2021 1:25 PM	40:00	4.36 pH	25.28 °C	106.14 µS/cm	4.06 mg/L	0.24 NTU	135.0 mV	21.65 ft	400.00 ml/min
10/6/2021 1:30 PM	45:00	4.35 pH	25.63 °C	104.97 µS/cm	4.02 mg/L	0.22 NTU	135.9 mV	21.65 ft	400.00 ml/min
10/6/2021 1:35 PM	50:00	4.35 pH	25.68 °C	105.63 µS/cm	4.04 mg/L	0.20 NTU	137.7 mV	21.65 ft	400.00 ml/min
10/6/2021 1:40 PM	55:00	4.36 pH	25.68 °C	105.71 µS/cm	4.05 mg/L	0.19 NTU	136.3 mV	21.65 ft	400.00 ml/min

Samples

Sample ID:	Description:
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MW-3

Sample time @ 1345. Pc 88.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/6/2021 3:11:27 PM

Project: Plant Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-4 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 20.64 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: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
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Test Notes:

Sample time @ 1540. Sunny 88. FB-03@ 1545.

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	+/- 0.2	
10/6/2021 3:11 PM	00:00	5.09 pH	30.35 °C	39.17 µS/cm	4.25 mg/L	0.66 NTU	160.0 mV	20.68 ft	400.00 ml/min
10/6/2021 3:16 PM	05:00	4.77 pH	25.16 °C	40.40 µS/cm	1.52 mg/L	0.48 NTU	159.0 mV	20.68 ft	400.00 ml/min
10/6/2021 3:21 PM	10:00	4.80 pH	25.17 °C	39.79 µS/cm	1.62 mg/L	0.44 NTU	155.7 mV	20.68 ft	400.00 ml/min
10/6/2021 3:26 PM	15:00	4.82 pH	24.93 °C	38.28 µS/cm	1.72 mg/L	0.42 NTU	152.6 mV	20.68 ft	400.00 ml/min
10/6/2021 3:31 PM	20:00	4.77 pH	24.87 °C	38.57 µS/cm	1.78 mg/L	0.38 NTU	153.4 mV	20.68 ft	400.00 ml/min
10/6/2021 3:36 PM	25:00	4.77 pH	24.96 °C	38.29 µS/cm	1.82 mg/L	0.35 NTU	151.6 mV	20.68 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-4	Sample time @ 1540. Sunny 88. FB-03@ 1545.

Low-Flow Test Report:

Test Date / Time: 10/6/2021 3:40:56 PM

Project: Daniel gsa ccr (7)

Operator Name: Trevor braddock

Location Name: Mw-5 Latitude: 30.557714418349 Longitude: -88.550996594131 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 19.9 ft	Pump Type: Qed Tubing Type: Pe Pump Intake From TOC: 51 ft Estimated Total Volume Pumped: 12393.333 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:

Sample time 1615

Dup-4 time 1715

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 3:40 PM	00:00	5.04 pH	21.90 °C	38.39 µS/cm	0.36 mg/L	1.41 NTU	157.0 mV	19.90 ft	400.00 ml/min
10/6/2021 3:45 PM	05:00	5.06 pH	21.38 °C	39.22 µS/cm	0.15 mg/L	1.39 NTU	120.5 mV	19.90 ft	400.00 ml/min
10/6/2021 3:50 PM	10:00	5.06 pH	21.30 °C	39.32 µS/cm	0.11 mg/L	1.11 NTU	106.9 mV	19.90 ft	400.00 ml/min
10/6/2021 3:51 PM	10:59	5.05 pH	21.15 °C	39.45 µS/cm	0.11 mg/L	1.11 NTU	120.6 mV	19.90 ft	400.00 ml/min
10/6/2021 3:56 PM	15:59	5.05 pH	21.22 °C	39.45 µS/cm	0.10 mg/L	1.02 NTU	96.1 mV	19.90 ft	400.00 ml/min
10/6/2021 4:01 PM	20:59	5.06 pH	21.21 °C	39.42 µS/cm	0.10 mg/L	0.99 NTU	89.3 mV	19.90 ft	400.00 ml/min
10/6/2021 4:06 PM	25:59	5.06 pH	21.13 °C	39.50 µS/cm	0.09 mg/L	0.99 NTU	85.1 mV	19.90 ft	400.00 ml/min
10/6/2021 4:11 PM	30:59	5.05 pH	21.10 °C	39.52 µS/cm	0.09 mg/L	0.98 NTU	82.6 mV	19.90 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 10/6/2021 2:21:35 PM

Project: Plant Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-6 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 20.3 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 51 ft Estimated Total Volume Pumped: 8000 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 @ 1445. Sunny 88.

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	+/- 0.2	
10/6/2021 2:21 PM	00:00	4.90 pH	29.09 °C	40.24 µS/cm	3.55 mg/L	0.76 NTU	149.9 mV	20.32 ft	400.00 ml/min
10/6/2021 2:26 PM	05:00	4.56 pH	23.85 °C	57.36 µS/cm	2.51 mg/L	0.50 NTU	149.5 mV	20.32 ft	400.00 ml/min
10/6/2021 2:31 PM	10:00	4.56 pH	23.43 °C	57.81 µS/cm	2.41 mg/L	0.43 NTU	147.7 mV	20.32 ft	400.00 ml/min
10/6/2021 2:36 PM	15:00	4.56 pH	23.47 °C	57.93 µS/cm	2.42 mg/L	0.41 NTU	146.6 mV	20.32 ft	400.00 ml/min
10/6/2021 2:41 PM	20:00	4.56 pH	23.60 °C	57.85 µS/cm	2.39 mg/L	0.38 NTU	145.6 mV	20.32 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-6	Sample time @ 1445. Sunny 88.

Low-Flow Test Report:

Test Date / Time: 10/6/2021 11:56:24 AM

Project: Plant 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: 18.68 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: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
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Test Notes:

Sample time @ 1220. Cloudy 87.

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	+/- 0.2	
10/6/2021 11:56 AM	00:00	5.01 pH	25.45 °C	44.05 µS/cm	6.70 mg/L	0.68 NTU	108.6 mV	18.72 ft	400.00 ml/min
10/6/2021 12:01 PM	05:00	4.33 pH	22.84 °C	77.53 µS/cm	6.13 mg/L	0.35 NTU	114.4 mV	18.72 ft	400.00 ml/min
10/6/2021 12:06 PM	10:00	4.36 pH	22.77 °C	82.17 µS/cm	6.21 mg/L	0.33 NTU	113.0 mV	18.72 ft	400.00 ml/min
10/6/2021 12:11 PM	15:00	4.36 pH	22.70 °C	82.90 µS/cm	6.26 mg/L	0.25 NTU	115.7 mV	18.72 ft	400.00 ml/min
10/6/2021 12:16 PM	20:00	4.35 pH	22.75 °C	84.41 µS/cm	6.31 mg/L	0.24 NTU	116.4 mV	18.72 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-7	Sample time @ 1220. Cloudy 87.

Low-Flow Test Report:

Test Date / Time: 10/6/2021 10:32:33 AM

Project: Daniel gsa ccr (2)

Operator Name: Trevor braddock

Location Name: Mw-8 Latitude: 30.5537985366983 Longitude: -88.5506408661604 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 45.8 ft Total Depth: 55.8 ft Initial Depth to Water: 18.42 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: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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Test Notes:

Sample time 1050

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 10:32 AM	00:00	5.35 pH	23.11 °C	55.00 µS/cm	4.59 mg/L	1.08 NTU	149.5 mV	18.42 ft	400.00 ml/min
10/6/2021 10:37 AM	05:00	4.90 pH	22.23 °C	55.99 µS/cm	4.55 mg/L	0.79 NTU	134.4 mV	18.43 ft	400.00 ml/min
10/6/2021 10:42 AM	10:00	4.89 pH	22.20 °C	55.44 µS/cm	4.55 mg/L	0.61 NTU	131.3 mV	18.44 ft	400.00 ml/min
10/6/2021 10:47 AM	15:00	4.86 pH	22.19 °C	55.60 µS/cm	4.72 mg/L	0.54 NTU	130.9 mV	18.45 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 10/6/2021 11:55:47 AM

Project: Daniel gsa ccr (3)

Operator Name: Trevor braddock

Location Name: Mw-9 Latitude: 30.5544894502483 Longitude: -88.5481336712837 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 76.2 ft Total Depth: 56.2 ft Initial Depth to Water: 17.62 ft	Pump Type: Qed Tubing Type: Pe Pump Intake From TOC: 51.2 ft Estimated Total Volume Pumped: 8000 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: 736137
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Test Notes:

Sample time 1220

Weather Conditions:

Cloudy 70

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 11:55 AM	00:00	5.43 pH	26.39 °C	47.49 µS/cm	5.41 mg/L	0.52 NTU	126.6 mV	17.62 ft	400.00 ml/min
10/6/2021 12:00 PM	05:00	5.01 pH	21.57 °C	50.01 µS/cm	1.75 mg/L	0.50 NTU	107.1 mV	17.64 ft	400.00 ml/min
10/6/2021 12:05 PM	10:00	5.00 pH	21.43 °C	49.89 µS/cm	1.89 mg/L	0.52 NTU	104.2 mV	17.64 ft	400.00 ml/min
10/6/2021 12:10 PM	15:00	4.99 pH	21.30 °C	50.22 µS/cm	1.97 mg/L	0.58 NTU	103.6 mV	17.64 ft	400.00 ml/min
10/6/2021 12:15 PM	20:00	4.98 pH	21.31 °C	49.99 µS/cm	2.07 mg/L	0.34 NTU	104.4 mV	17.64 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 10/6/2021 1:33:41 PM

Project: Daniel gsa ccr (5)

Operator Name: Trevor braddock

Location Name: Mw-10 Latitude: 30.5569380683199 Longitude: -88.5466085001826 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46.4 ft Total Depth: 56.4 ft Initial Depth to Water: 18.02 ft	Pump Type: Qed Tubing Type: Pe Pump Intake From TOC: 51.4 ft Estimated Total Volume Pumped: 16000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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Test Notes:

Sample time 1415

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	+/- 5	+/- 10	+/- 0.2	
10/6/2021 1:33 PM	00:00	5.32 pH	27.02 °C	34.33 µS/cm	6.65 mg/L	0.96 NTU	142.1 mV	18.02 ft	400.00 ml/min
10/6/2021 1:38 PM	05:00	5.06 pH	21.96 °C	46.87 µS/cm	4.99 mg/L	0.96 NTU	136.6 mV	18.02 ft	400.00 ml/min
10/6/2021 1:43 PM	10:00	5.01 pH	22.20 °C	47.24 µS/cm	4.37 mg/L	0.94 NTU	133.6 mV	18.02 ft	400.00 ml/min
10/6/2021 1:48 PM	15:00	5.03 pH	22.35 °C	46.30 µS/cm	4.85 mg/L	0.82 NTU	133.4 mV	18.02 ft	400.00 ml/min
10/6/2021 1:53 PM	20:00	5.03 pH	21.70 °C	46.64 µS/cm	5.21 mg/L	0.84 NTU	134.0 mV	18.02 ft	400.00 ml/min
10/6/2021 1:58 PM	25:00	5.02 pH	21.61 °C	46.79 µS/cm	5.24 mg/L	0.85 NTU	167.0 mV	18.02 ft	400.00 ml/min
10/6/2021 2:03 PM	30:00	5.02 pH	21.76 °C	46.52 µS/cm	5.22 mg/L	0.82 NTU	137.3 mV	18.02 ft	400.00 ml/min
10/6/2021 2:08 PM	35:00	5.02 pH	21.79 °C	46.47 µS/cm	5.23 mg/L	0.84 NTU	135.7 mV	18.02 ft	400.00 ml/min
10/6/2021 2:13 PM	40:00	5.03 pH	21.73 °C	46.79 µS/cm	5.23 mg/L	0.80 NTU	130.7 mV	18.02 ft	400.00 ml/min

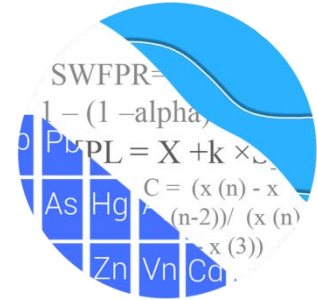
Samples

Sample ID:	Description:
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Appendix B

1st
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING



May 19, 2021

Southern Company Services
Attn: Ms. Lauren Collins
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Daniel Gypsum Storage Area (GSA)
2021 Annual Statistical Analysis – March 2021 Sample Event

Dear Ms. Collins,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the 2021 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 Andrew Collins, Project Manager of 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 with 100% non-detects follow this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. For calculating intrawell prediction limits, the substitution is performed for individual wells and may differ across wells. This generally gives the most conservative limit in each case. 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 in the case of boron, the most recent reporting limit changed to <0.08 mg/L from <0.05 mg/L in 2020 at all wells except for well MW-3 due to changing laboratory practices. Additionally, 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 (Figure A). Additionally, box plots are included for all constituents at upgradient and downgradient wells (Figure B). 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 (Figure C). 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. A list of any well/constituent pairs using a truncated portion of their records follows this report.

Statistical Analysis of Appendix III Parameters – March 2021

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 April 2019, except for cases mentioned above, for the March 2021 sample event (Figure D). Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well. The reported measurements for the March 2021 sample events were compared to the prediction limits to determine whether there are statistically significant increases (SSIs).

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:

- Boron: MW-3
- Calcium: MW-3 and MW-9
- Chloride: MW-9
- Sulfate: MW-3
- TDS: MW-3

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 (Figure E). 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:

- Boron: MW-3
- Calcium: MW-2 (upgradient), MW-3, and MW-9
- Chloride: MW-2 (upgradient) and MW-9
- Sulfate: MW-1 (upgradient) and MW-3
- TDS: MW-3

Decreasing:

- Calcium: MW-1 (upgradient)
- Chloride: MW-1 (upgradient)

Note that the statistically significant increasing trend identified for sulfate at well MW-3 reflects the evaluation of all reported measurements over time. The Sen's Slope portion of the test, however, identified a zero slope which resulted from the high number of non-detects and reflects the median slope of all possible pairwise slopes.

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 2021

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. This value was not flagged, 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, a high value was identified visually and flagged for combined radium 226 + 228 in well MW-1 because the stability of background samples indicates that this value does not accurately represent the population of its respective well. During this analysis, no new values were flagged during this analysis and a complete list of flagged outliers follows this report (Figure C).

Parametric upper tolerance limits were used to calculate background limits from pooled upgradient well data through March 2021 for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine background limits (Figure F). The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. These 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 (Figure G).

Confidence intervals were then constructed on downgradient wells using all data through March 2021 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 (Figure H). 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,

Handwritten signature of Abdul Diane in black ink.

Abdul Diane
Groundwater Analyst

Handwritten signature of Andrew T. Collins in black ink.

Andrew T. Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/14/2021 7:48 PM View: Appendix IV

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-4, MW-6, 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

Lithium (mg/L)

MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9

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-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9

Date Ranges

Date: 5/14/2021 8:05 PM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sulfate (mg/L)

MW-1 background: 1/16/2017-4/19/2019

Appendix III - Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-3	0.05	n/a	3/15/2021	0.15	Yes	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/15/2021	44.7	Yes	11	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	3/15/2021	1.26	Yes	13	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	3/15/2021	9.27	Yes	12	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	3/15/2021	116	Yes	21	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	3/15/2021	201	Yes	12	22.43	8.333	None	No	0.001075	Param Intra 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	3/15/2021	0.08ND	No	11	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.05	n/a	3/15/2021	0.15	Yes	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	8.486	n/a	3/15/2021	3.04	No	12	1.285	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.317	n/a	3/15/2021	0.935	No	10	0.2101	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.291	n/a	3/15/2021	1.11	No	13	0.1696	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/15/2021	44.7	Yes	11	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.392	n/a	3/15/2021	1.84	No	12	0.2561	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.514	n/a	3/15/2021	1.79	No	12	0.2167	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.619	n/a	3/15/2021	1.4	No	12	0.1679	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	3/15/2021	1.23	No	12	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.407	n/a	3/15/2021	2.26	No	12	0.4831	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	3/15/2021	1.26	Yes	13	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	13.99	n/a	3/15/2021	1.93	No	12	2.822	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	3/15/2021	6.57	No	12	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	3/15/2021	8.99	No	12	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.84	n/a	3/15/2021	8.83	No	11	0.6972	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	10.27	n/a	3/15/2021	6.9	No	12	1.044	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.23	n/a	3/15/2021	6.69	No	12	1.108	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	3/15/2021	7.83	No	12	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-7	19.33	n/a	3/15/2021	8.68	No	12	1.814	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	11.59	n/a	3/15/2021	8.19	No	12	1.026	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	3/15/2021	9.27	Yes	12	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	3/15/2021	0.0991J	No	12	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	3/15/2021	0.027J	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.85	4.477	3/15/2021	4.81	No	21	0.3203	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.527	4.623	3/15/2021	4.93	No	12	0.1847	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	3/15/2021	4.83	No	21	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.806	4.214	3/15/2021	4.56	No	21	0.1382	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.135	4.628	3/15/2021	4.87	No	21	0.1183	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.513	3/15/2021	4.85	No	13	0.119	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.838	4.466	3/15/2021	4.69	No	12	0.0759	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	3/15/2021	4.52	No	12	n/a	0	n/a	n/a	0.02155	NP Intra (normality) 1 of 2
pH (SU)	MW-8	5.04	4.257	3/15/2021	4.78	No	11	0.1544	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.078	4.762	3/15/2021	4.88	No	12	0.06439	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-1	14.08	n/a	3/15/2021	9.05	No	9	2.013	11.11	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	3/15/2021	1ND	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	3/15/2021	1ND	No	22	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	3/15/2021	116	Yes	21	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	3/15/2021	1.94	No	22	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	3/15/2021	3.42	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	3.559	n/a	3/15/2021	1.8	No	12	0.4993	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1	n/a	3/15/2021	1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	3/15/2021	1.2	No	12	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.344	n/a	3/15/2021	1.37	No	12	0.1559	50	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	118.8	n/a	3/15/2021	36	No	12	25.84	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	71.38	n/a	3/15/2021	22	No	12	17.7	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	66.3	n/a	3/15/2021	30	No	12	17.96	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	3/15/2021	201	Yes	12	22.43	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	73.02	n/a	3/15/2021	27	No	12	16.36	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	66.18	n/a	3/15/2021	32	No	12	13.83	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	48.08	n/a	3/15/2021	29	No	12	11.68	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	71.5	n/a	3/15/2021	32	No	12	13.14	0	None	No	0.001075	Param Intra 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 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>Std.Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids (mg/L)	MW-8	82.12	n/a	3/15/2021	39	No	12	18.03	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	60.73	n/a	3/15/2021	31	No	12	12.77	8.333	None	No	0.001075	Param Intra 1 of 2

Appendix III Trend Test - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 8:16 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>
Boron (mg/L)	MW-3	0.005152	68	63	Yes	17	70.59	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-1 (bg)	-0.6007	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.06621	72	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	7.136	109	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-9	0.04393	79	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.893	-110	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.3166	68	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3778	68	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.483	304	139	Yes	29	3.448	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0	170	124	Yes	27	70.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-3	37.22	92	68	Yes	18	5.556	n/a	n/a	0.01	NP

Appendix III Trend Test - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:41 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>
Boron (mg/L)	MW-1 (bg)	0	2	53	No	15	93.33	n/a	n/a	0.01	NP
Boron (mg/L)	MW-10 (bg)	0	-11	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-2 (bg)	0	-3	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-3	0.005152	68	63	Yes	17	70.59	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-1 (bg)	-0.6007	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.006404	2	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.06621	72	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	7.136	109	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-9	0.04393	79	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.893	-110	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-10 (bg)	0.08673	10	58	No	16	6.25	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.3166	68	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3778	68	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.483	304	139	Yes	29	3.448	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-10 (bg)	0	-31	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-47	-118	No	26	80.77	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0	170	124	Yes	27	70.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-9.55	-53	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.2086	5	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.364	26	58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-3	37.22	92	68	Yes	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 5/14/2021, 7:43 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	33	96.97	n/a	0.184	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	36	83.33	n/a	0.1578	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	56	0	n/a	0.05656	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	75	n/a	0.1578	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	33	100	n/a	0.184	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	53	90.57	n/a	0.06597	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	36	0	n/a	0.1578	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.524	n/a	n/a	n/a	35	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	51	86.27	n/a	0.0731	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	36	83.33	n/a	0.1578	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	33	96.97	n/a	0.184	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	53	92.45	n/a	0.06597	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	33	93.94	n/a	0.184	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	53	81.13	n/a	0.06597	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	33	87.88	n/a	0.184	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		3.52	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

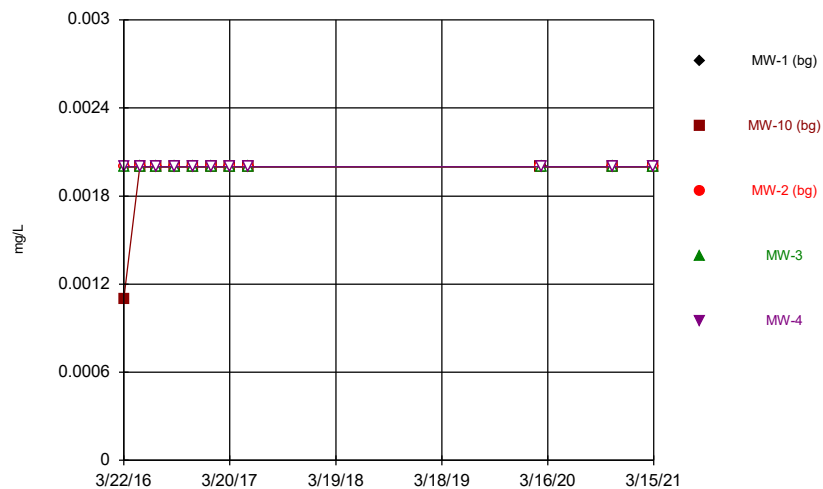
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00204	0.001	0.01	No	12	0.0007802	66.67	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	12	0.0001928	91.67	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.11	0.095	2	No	22	0.02225	0	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.06038	0.05277	2	No	22	0.007086	0	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0603	2	No	12	0.005502	0	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.076	0.0554	2	No	12	0.01744	0	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1622	0.1243	2	No	12	0.03517	0	x^5	0.01	Param.
Barium (mg/L)	MW-8	0.1214	0.09412	2	No	12	0.01738	0	No	0.01	Param.
Barium (mg/L)	MW-9	0.04751	0.03691	2	No	12	0.006751	0	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.000486	0.004	No	12	0.0002449	66.67	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	12	0.0002335	91.67	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.00042	0.0003147	0.004	No	12	0.0000671	0	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	12	0.0003548	50	No	0.01	NP (normality)
Cadmium (mg/L)	MW-5	0.001	0.001	0.005	No	11	0.0003618	90.91	No	0.006	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.01	No	21	0.0005013	90.48	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.01	No	21	0.0004583	95.24	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.002	0.002	0.01	No	11	0.0001206	90.91	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-3	0.00341	0.0016	0.006	No	12	0.0008271	0	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001707	0.001481	0.006	No	12	0.0001439	0	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001052	0.0008864	0.006	No	12	0.0001056	0	No	0.01	Param.
Cobalt (mg/L)	MW-6	0.002621	0.001751	0.006	No	12	0.0005541	0	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0024	0.001751	0.006	No	12	0.0005492	0	x^4	0.01	Param.
Cobalt (mg/L)	MW-8	0.001678	0.001325	0.006	No	12	0.0002253	0	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001229	0.001081	0.006	No	12	0.00009492	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	2.986	1.856	5	No	12	0.7204	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.356	0.899	5	No	12	0.2915	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.604	1.052	5	No	12	0.3521	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.264	0.8553	5	No	12	0.2601	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	2.715	1.648	5	No	12	0.6802	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.328	1.742	5	No	12	0.3732	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9749	0.5804	5	No	12	0.2514	0	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.198	0.04	4	No	19	0.0829	10.53	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	17	0.02016	88.24	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	17	0.0278	76.47	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0277	4	No	17	0.01754	94.12	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	17	0.01666	94.12	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00126	0.00039	0.015	No	12	0.0003769	8.333	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000192	0.015	No	12	0.0002332	91.67	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000153	0.015	No	12	0.0002445	91.67	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000165	0.015	No	12	0.0003315	83.33	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	12	0.0003358	83.33	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.00017	0.015	No	12	0.0003705	75	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	21	0.0000372	85.71	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	21	0.00003012	85.71	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.005	0.1	No	11	0.0009287	90.91	No	0.006	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	21	0.0002869	90.48	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	21	0.0001309	95.24	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.005	0.05	No	11	0.001417	90.91	No	0.006	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	11	0.001879	81.82	No	0.006	NP (NDs)

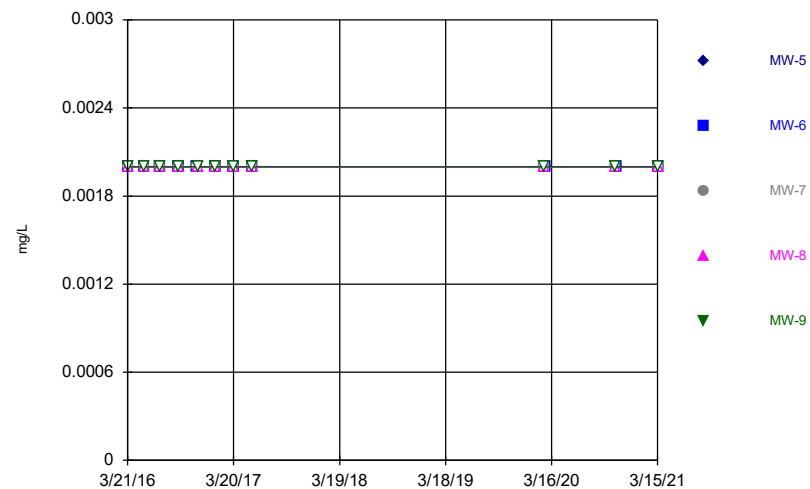
FIGURE A.

Time Series



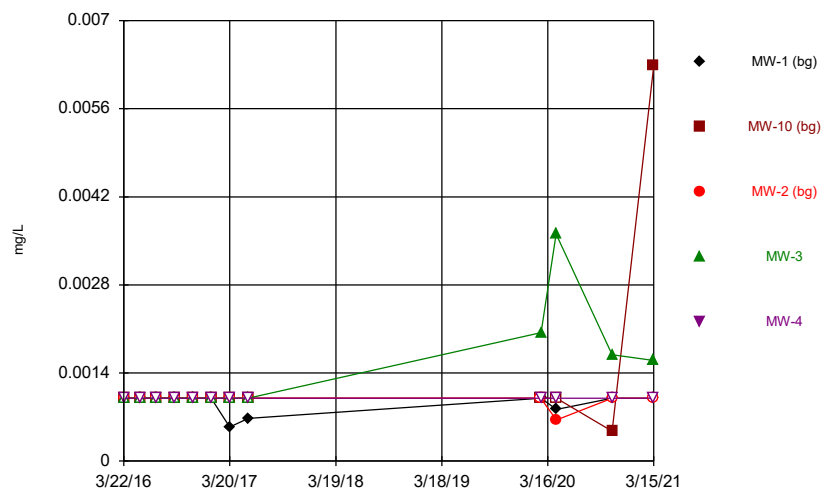
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



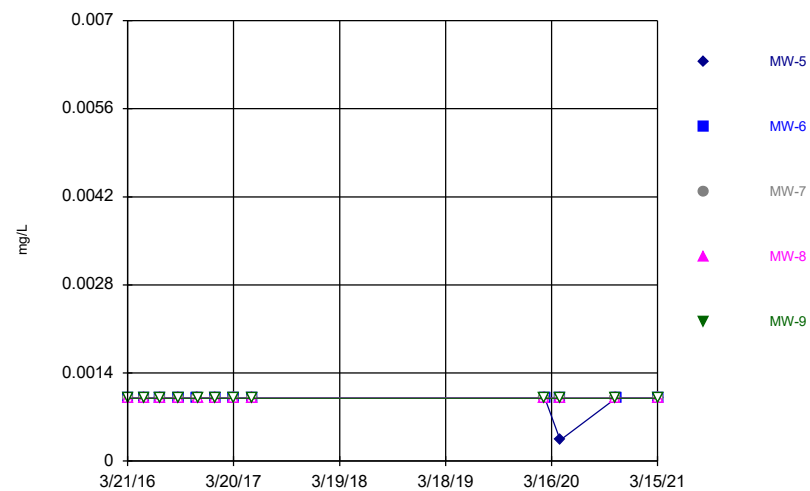
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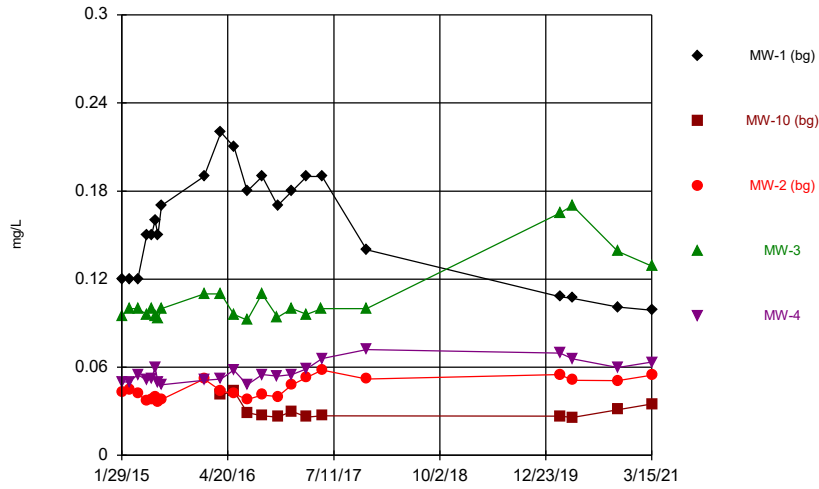
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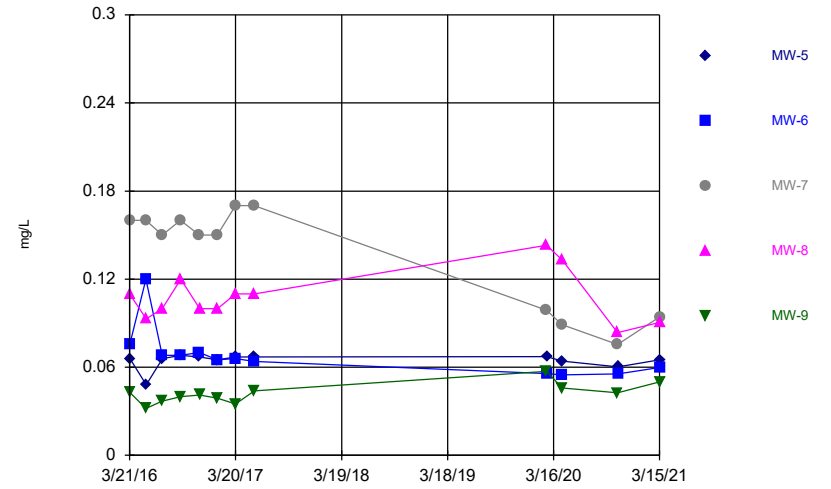
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Time Series



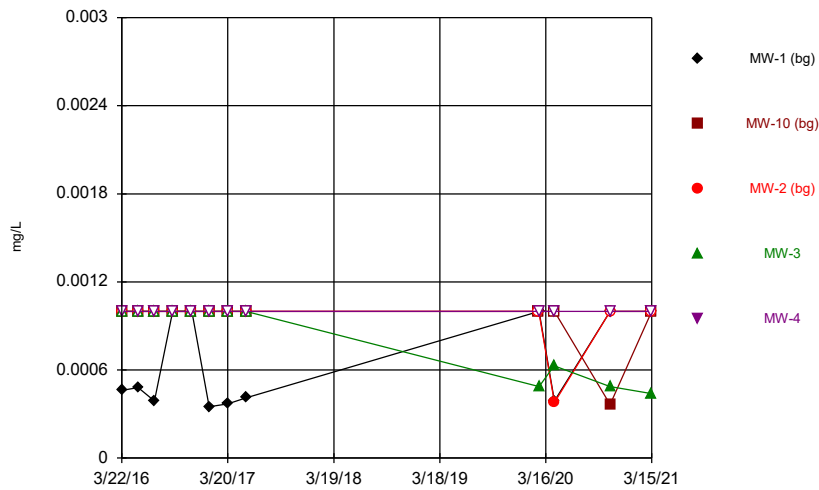
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Time Series



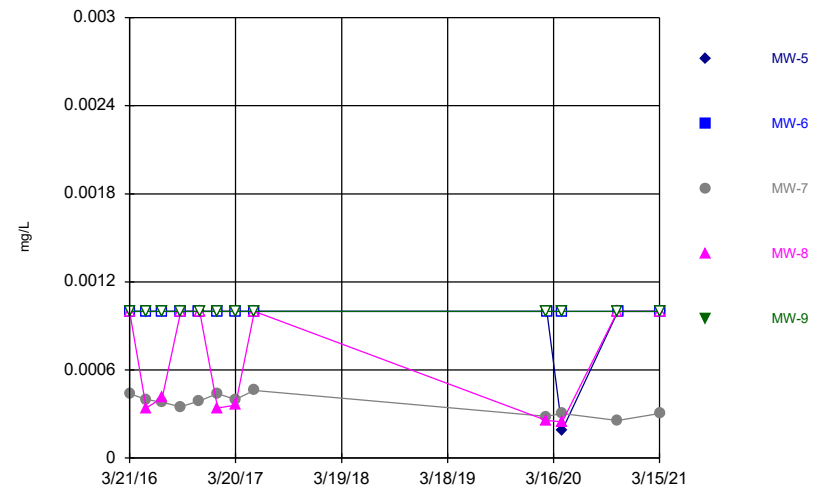
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Time Series



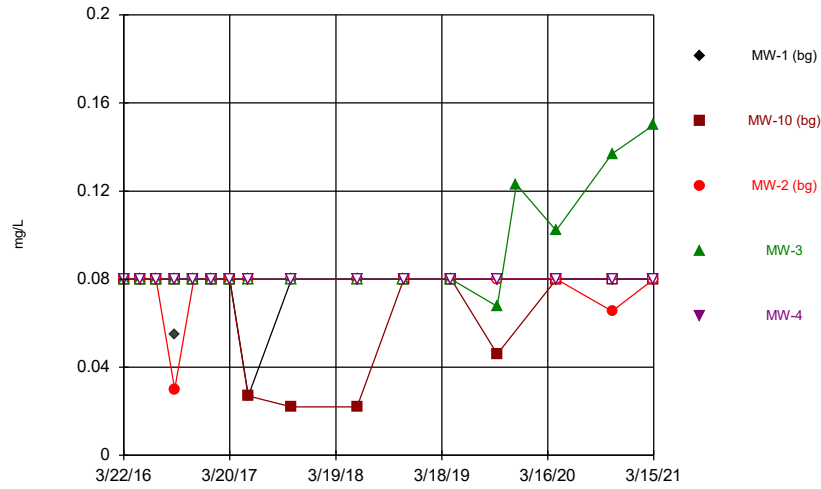
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Time Series



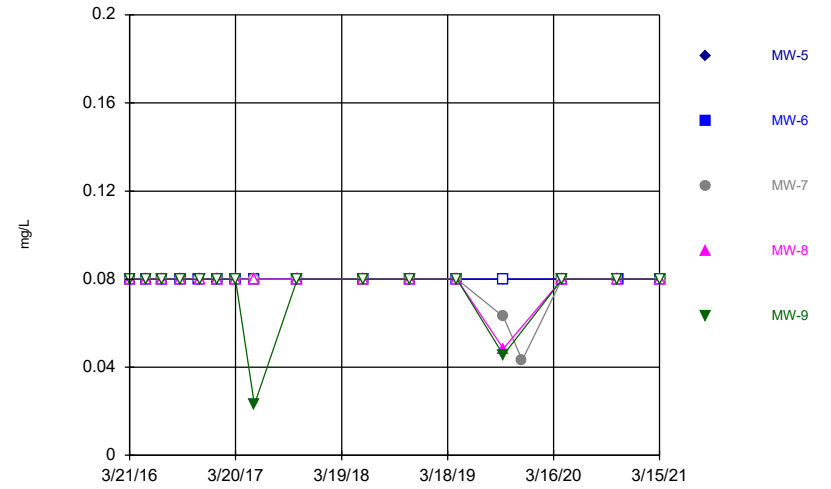
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Time Series



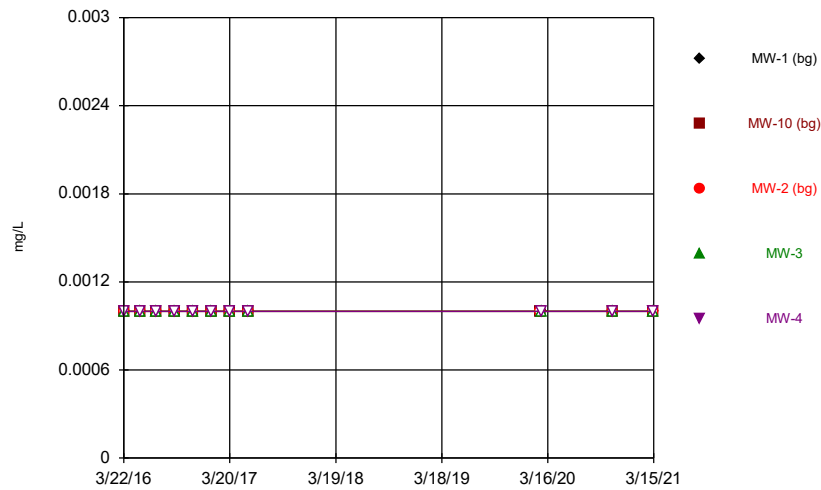
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Time Series



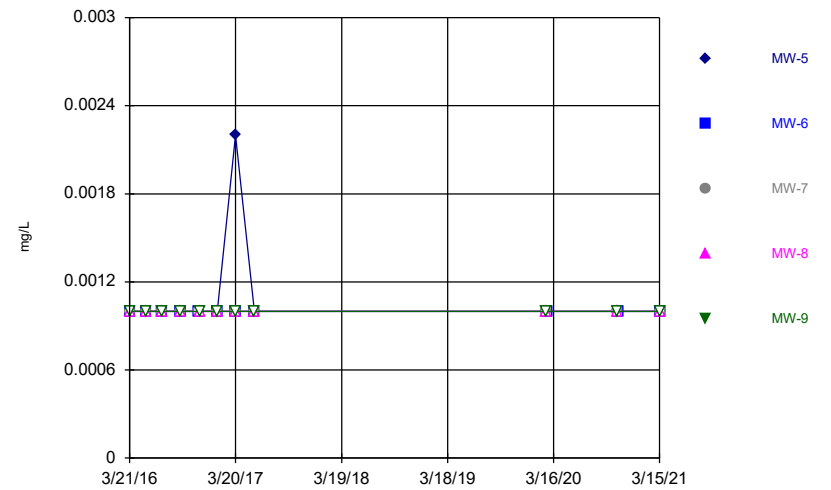
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Time Series



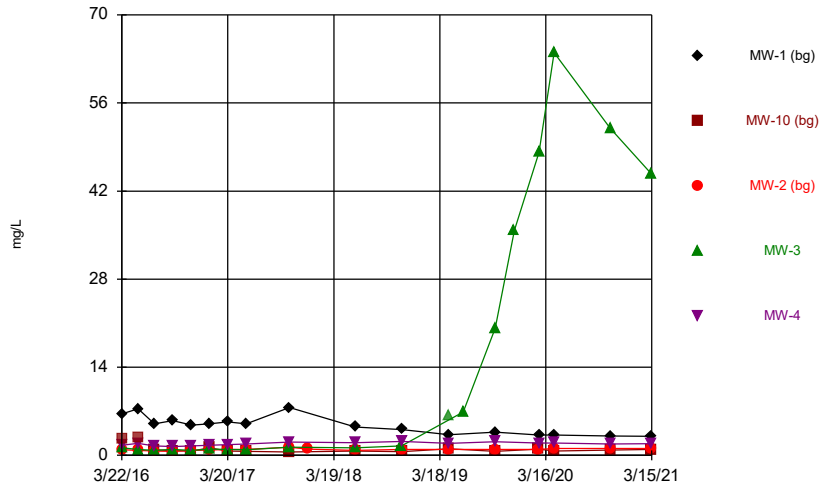
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Time Series



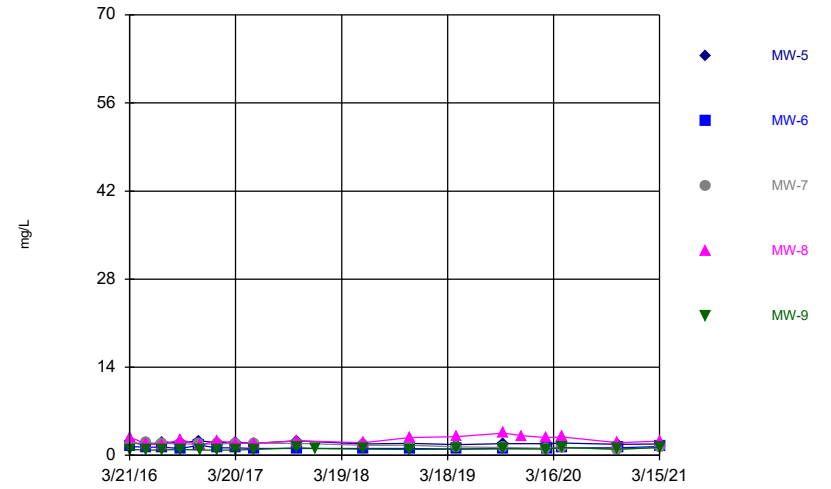
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Time Series



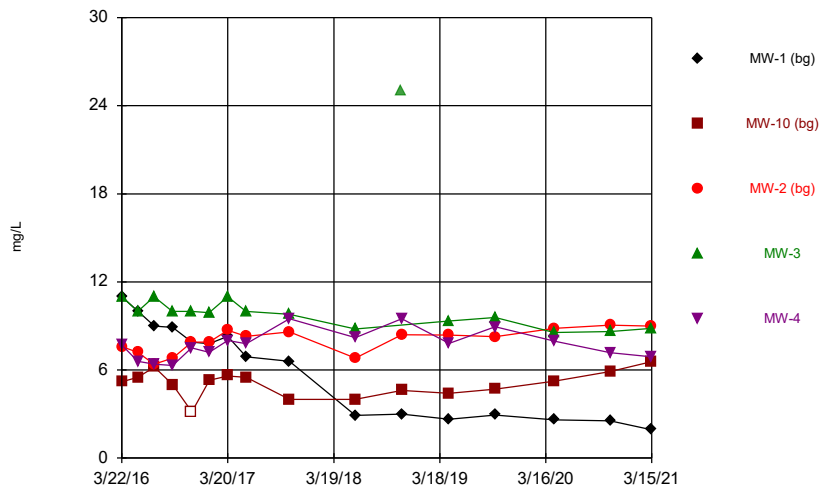
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Time Series



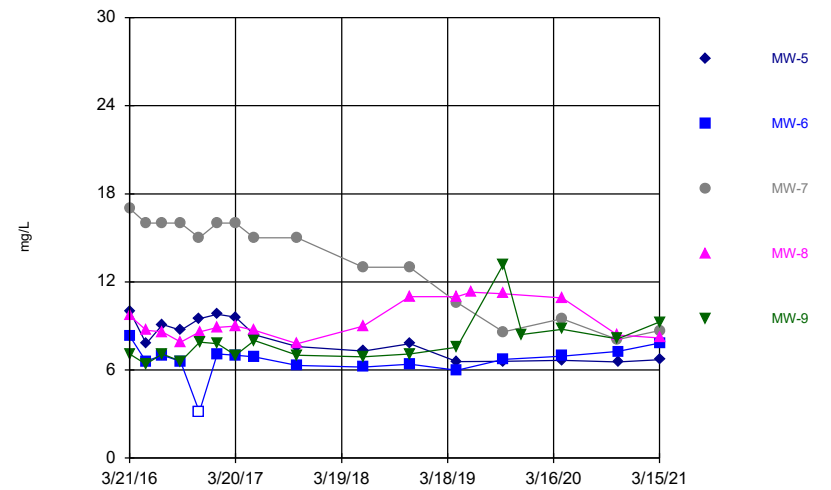
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Time Series



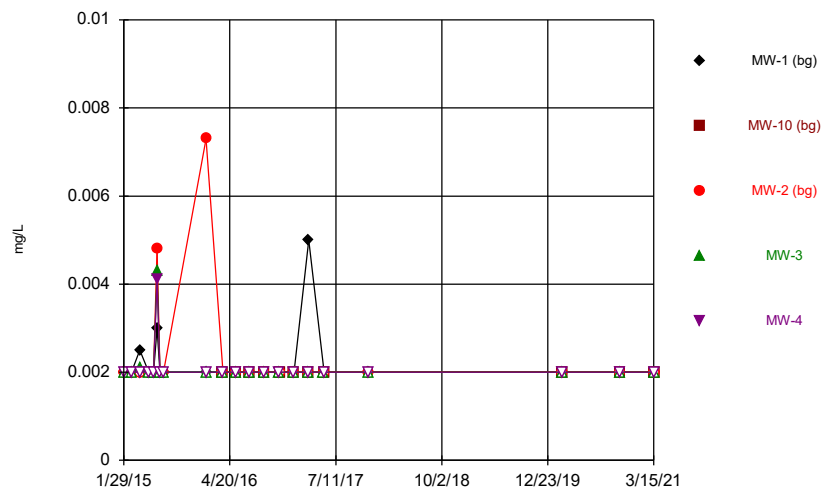
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Time Series



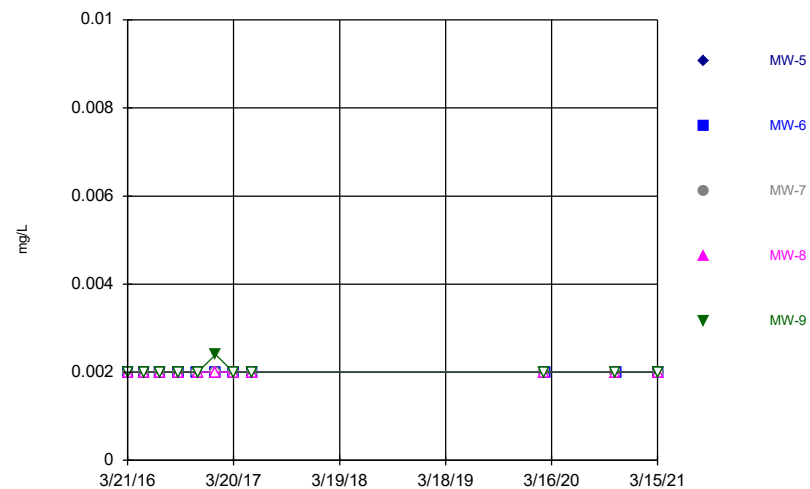
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Time Series



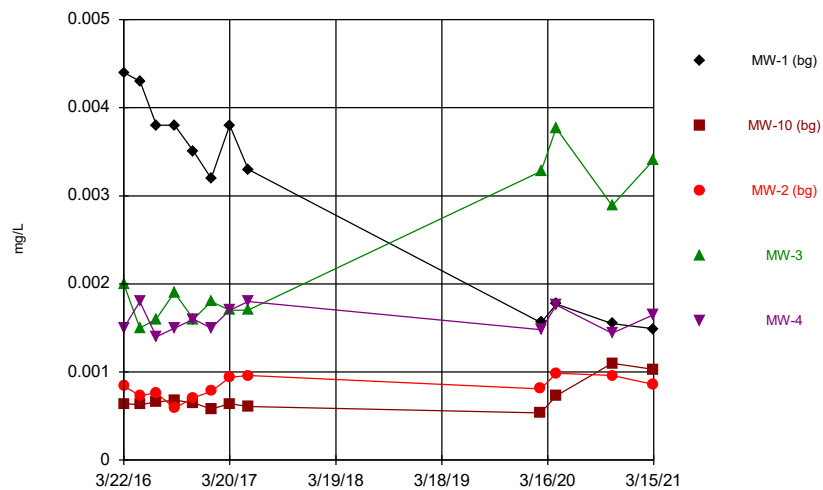
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



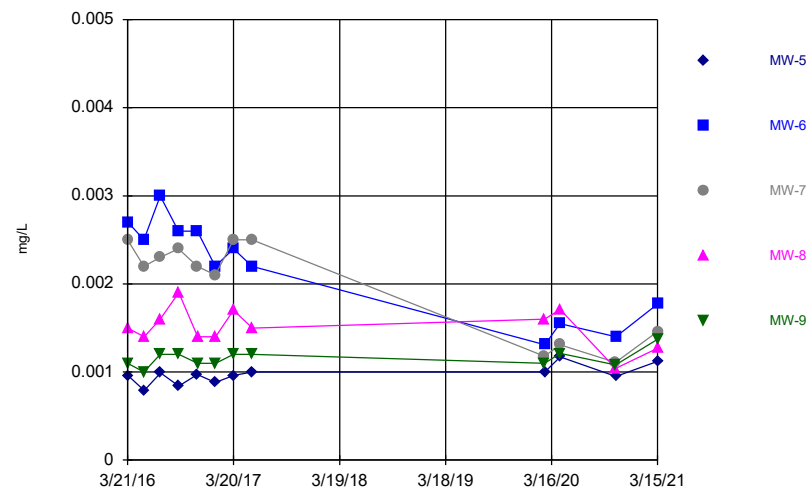
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Time Series



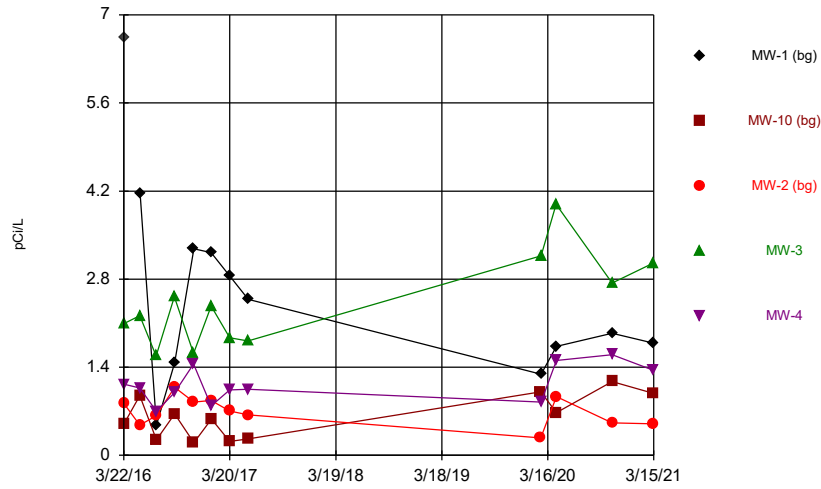
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Time Series



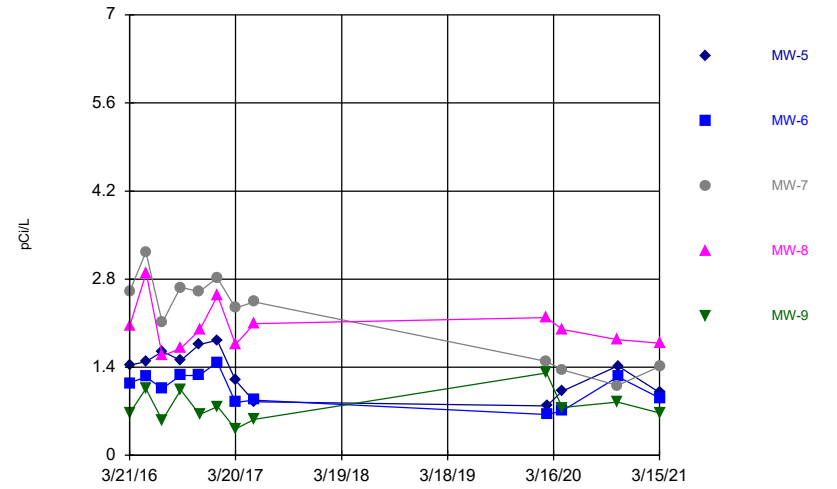
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Time Series



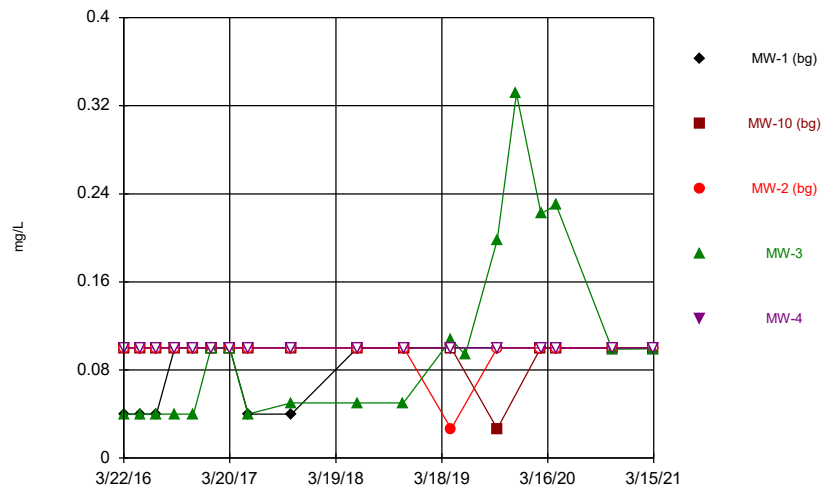
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



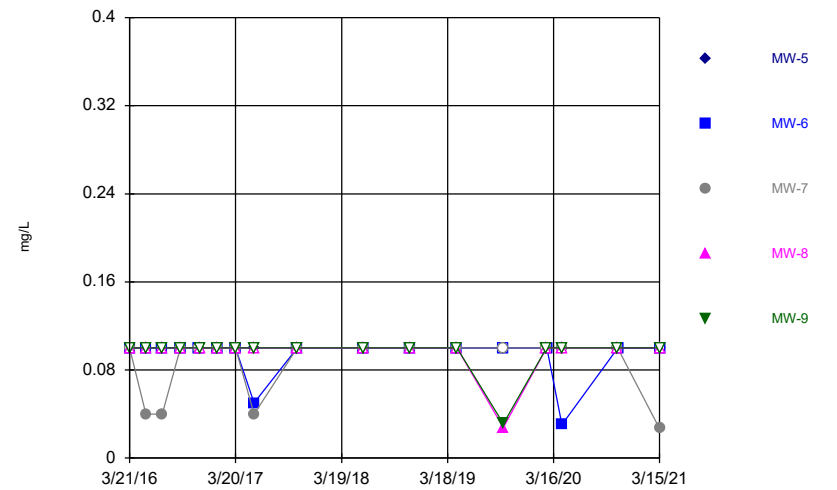
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Time Series



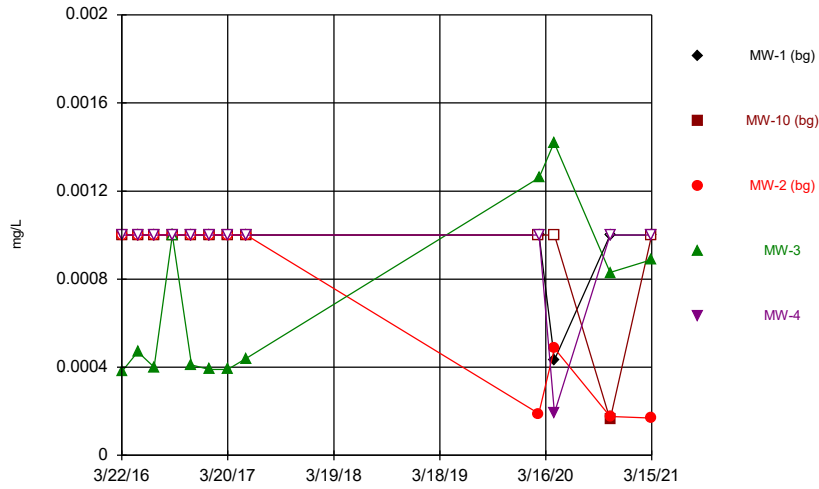
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Time Series



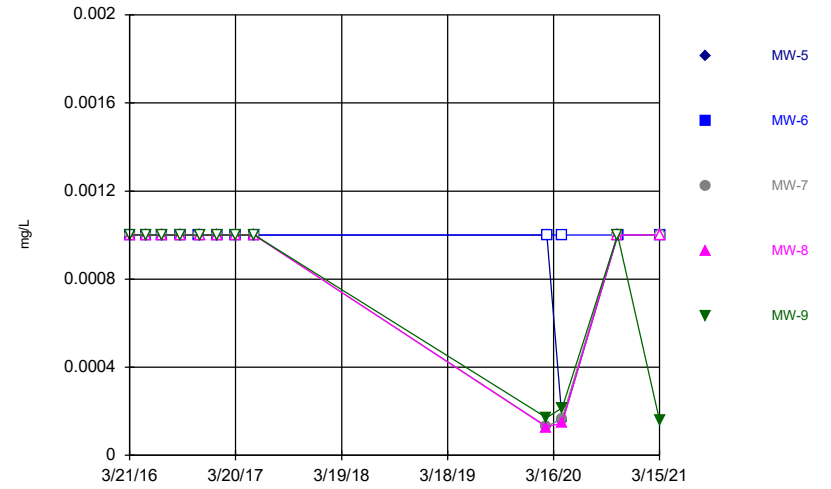
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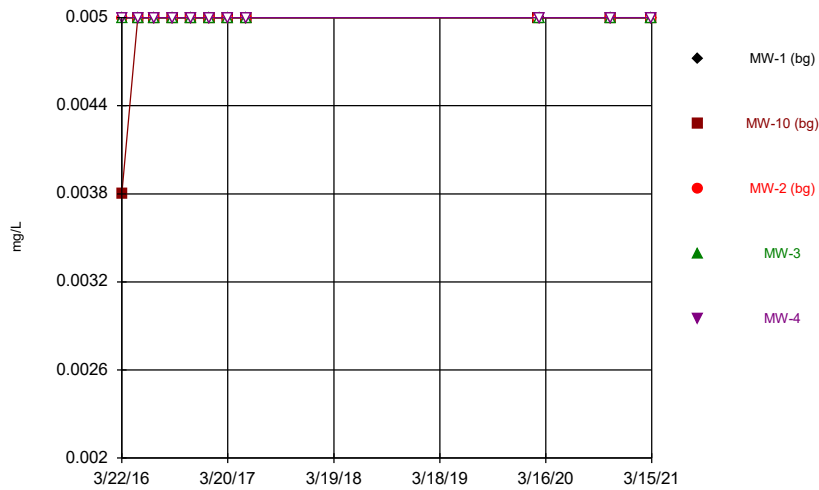
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Time Series



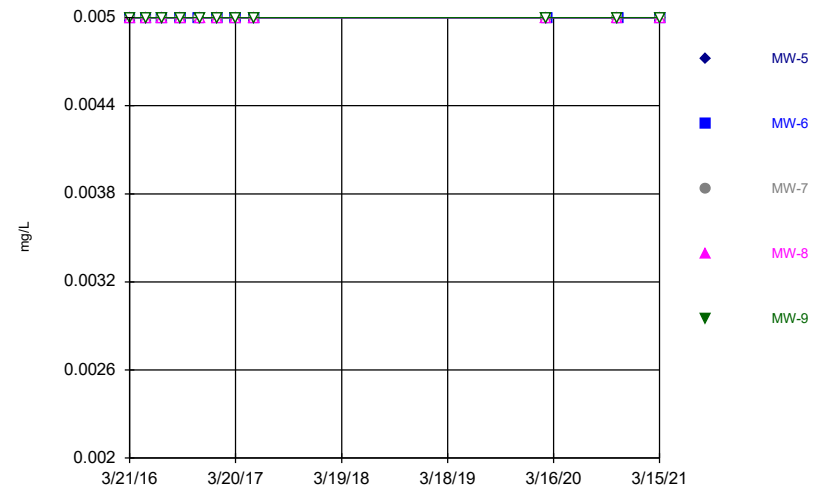
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Time Series



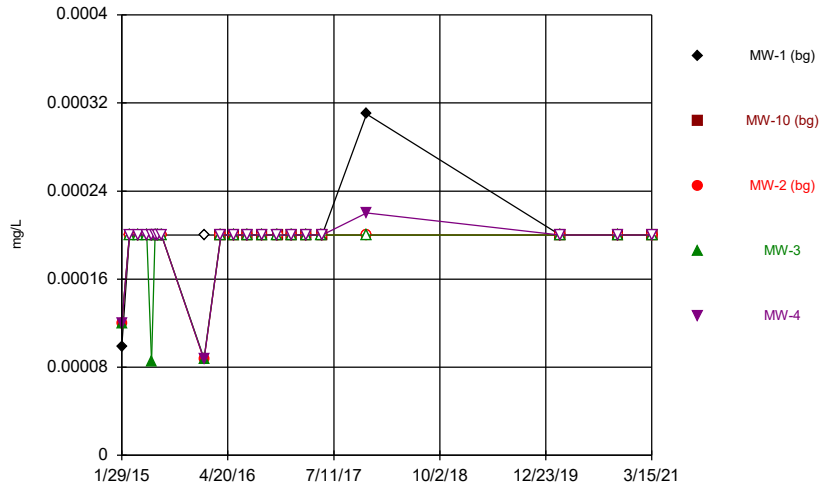
Constituent: Lithium Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



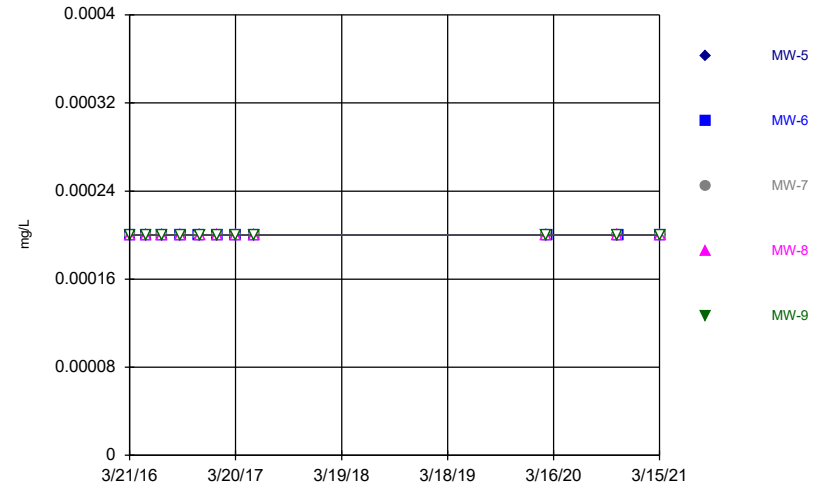
Constituent: Lithium Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



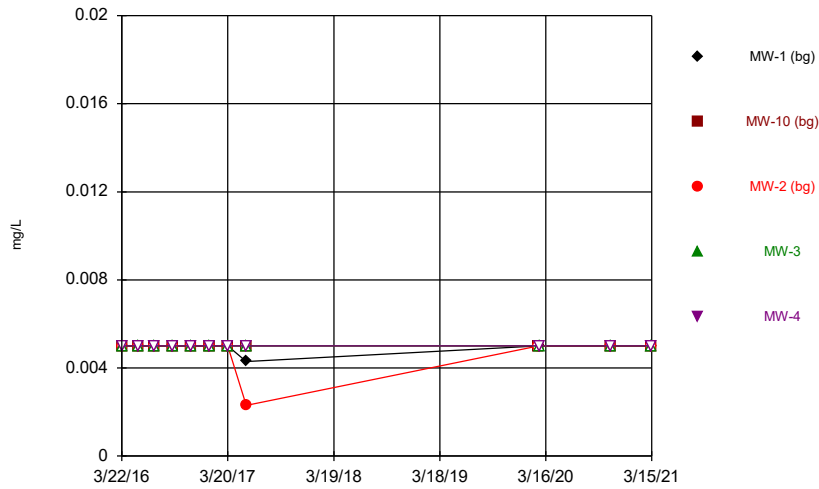
Constituent: Mercury Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



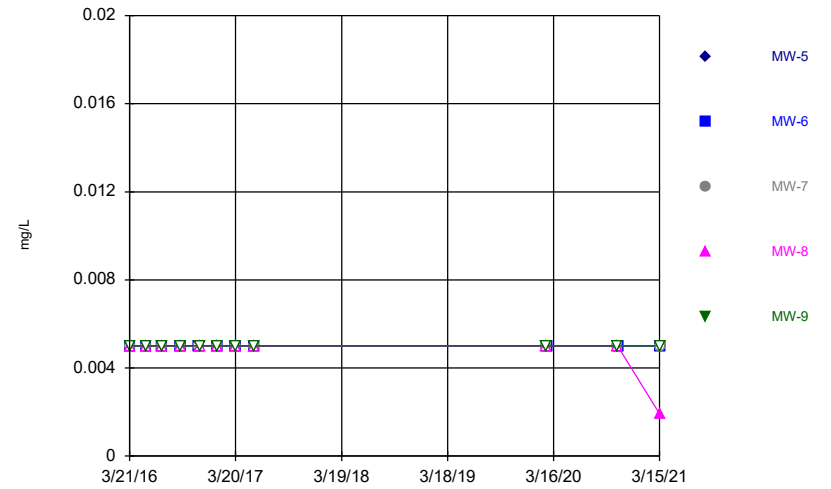
Constituent: Mercury Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



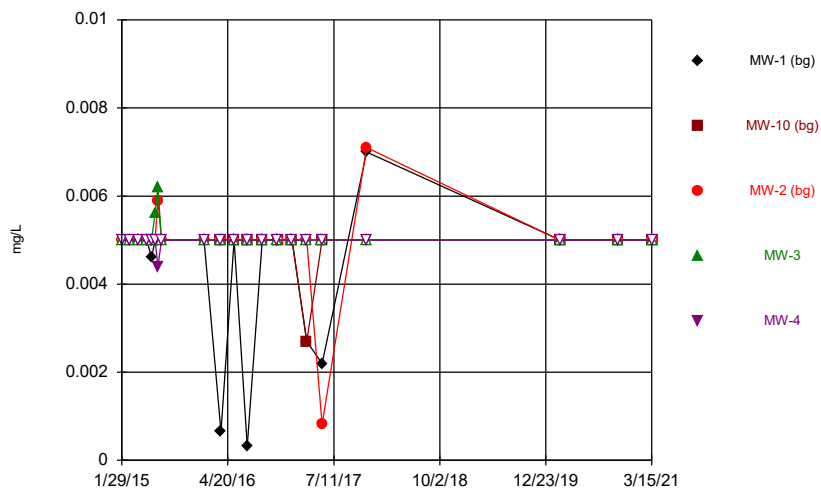
Constituent: Molybdenum Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



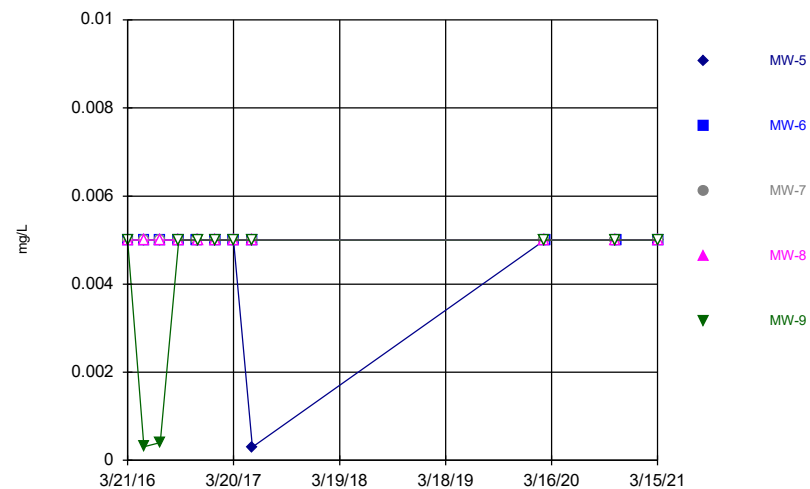
Constituent: Molybdenum Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



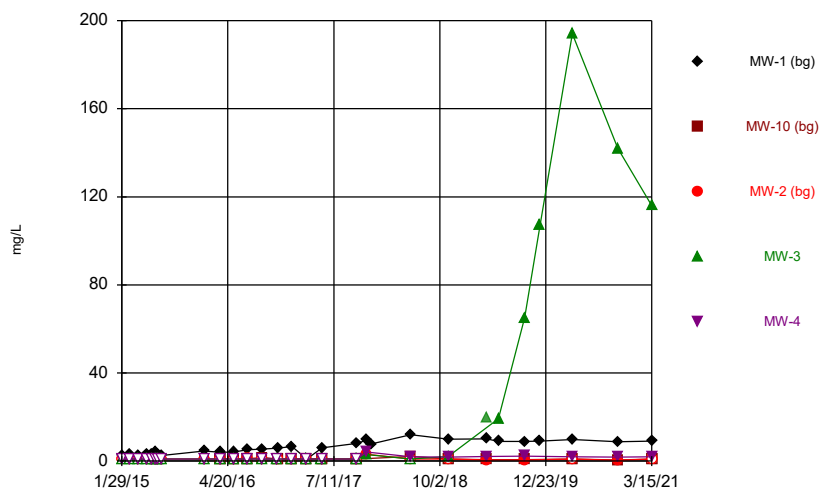
Constituent: Selenium Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



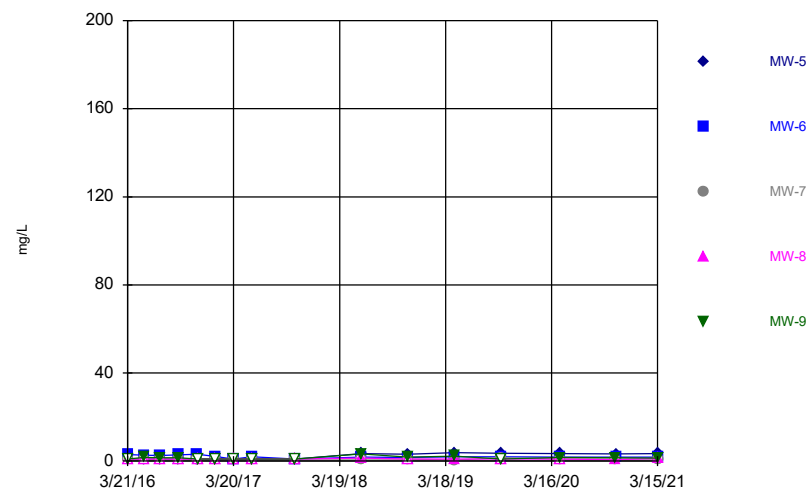
Constituent: Selenium Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



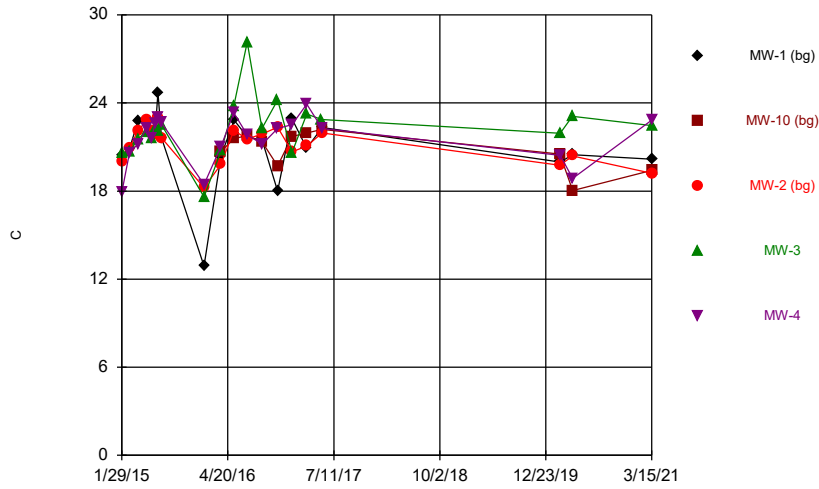
Constituent: Sulfate Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



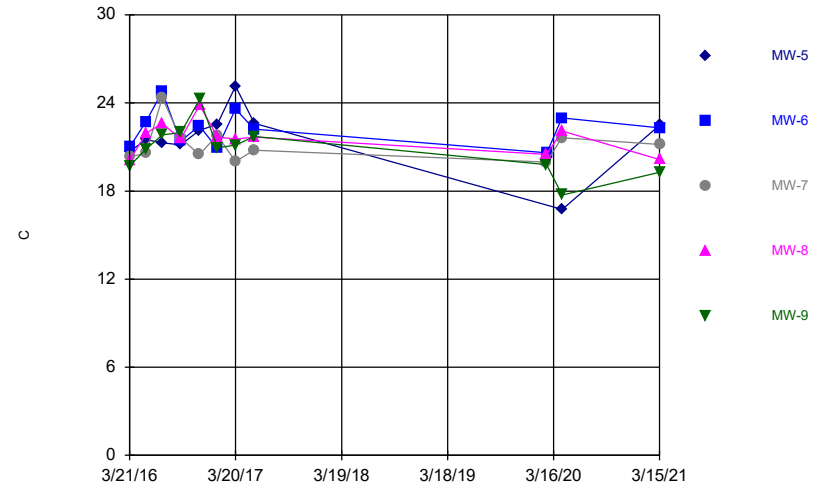
Constituent: Sulfate Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Temperature Analysis Run 5/14/2021 7:07 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

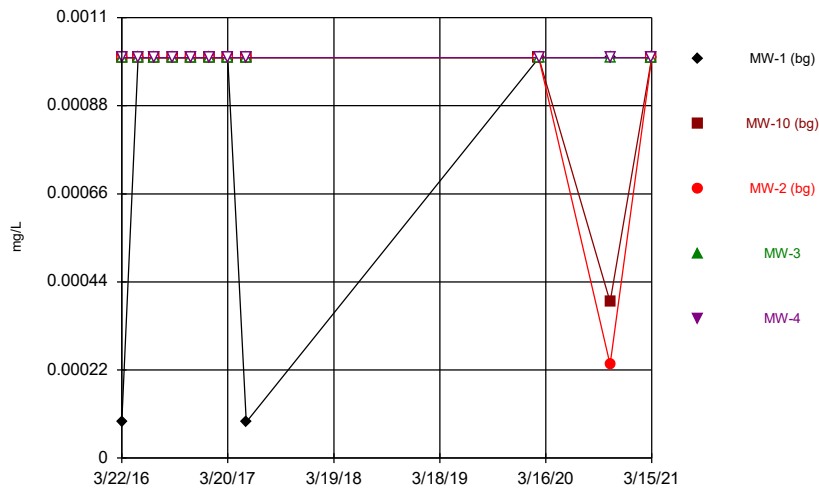
Time Series



Constituent: Temperature Analysis Run 5/14/2021 7:08 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

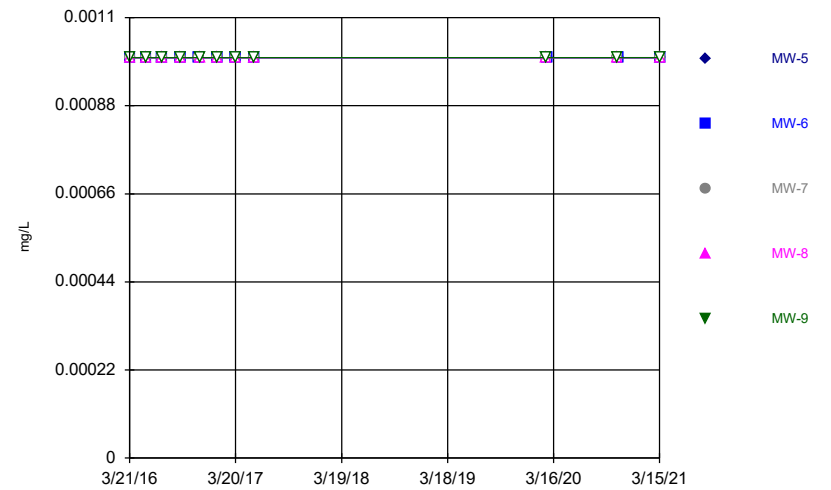
Time Series



Constituent: Thallium Analysis Run 5/14/2021 7:08 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

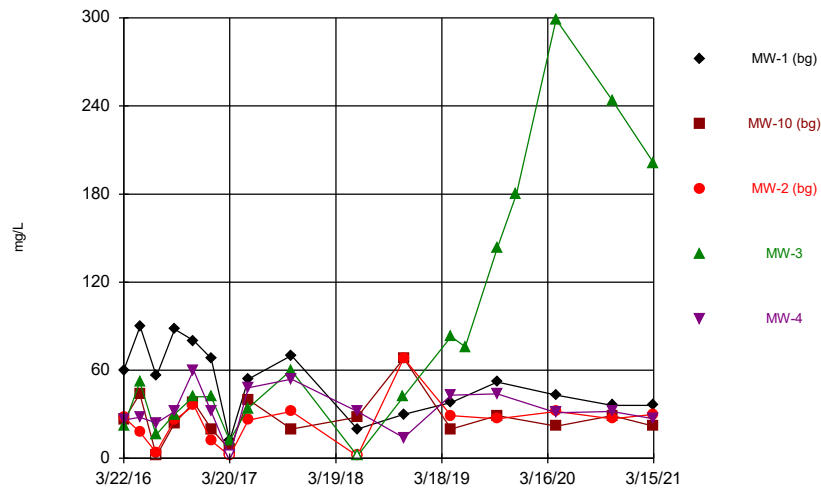
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 5/14/2021 7:08 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.002	<0.002	<0.002
3/22/2016	<0.002			
5/16/2016	<0.002	<0.002		<0.002
5/17/2016			<0.002	
7/11/2016	<0.002	<0.002	<0.002	<0.002
9/12/2016	<0.002	<0.002		
9/13/2016			<0.002	<0.002
11/16/2016	<0.002	<0.002		
11/17/2016			<0.002	<0.002
1/16/2017	<0.002	<0.002		
1/17/2017			<0.002	<0.002
3/20/2017	<0.002	<0.002	<0.002	<0.002
5/22/2017	<0.002	<0.002		
5/23/2017			<0.002	<0.002
2/21/2020		<0.002	<0.002	<0.002
2/22/2020	<0.002			
10/22/2020		<0.002	<0.002	<0.002
10/23/2020	<0.002			
3/15/2021	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	<0.001	<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					<0.001
7/11/2016			<0.001	<0.001		
7/12/2016	<0.001	<0.001			<0.001	<0.001
9/12/2016				<0.001		
9/13/2016	<0.001	<0.001	<0.001		<0.001	<0.001
11/16/2016				<0.001	<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001			
1/16/2017	<0.001		<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	<0.001
5/22/2017				<0.001		
5/23/2017	0.00068 (J)	<0.001	<0.001		<0.001	<0.001
2/21/2020		<0.001	<0.001			
2/22/2020	<0.001			0.00204	<0.001	<0.001
4/14/2020				0.00361		
4/15/2020	0.000821 (J)	<0.001	0.000655 (J)		<0.001	0.000332 (J)
10/23/2020	<0.001	0.000477 (J)	<0.001	0.00169	<0.001	<0.001
3/15/2021	<0.001	0.00628	<0.001	0.0016	<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.001	<0.001	<0.001
3/22/2016	<0.001			
5/16/2016	<0.001	<0.001		<0.001
5/17/2016			<0.001	
7/11/2016	<0.001	<0.001	<0.001	<0.001
9/12/2016	<0.001	<0.001		
9/13/2016			<0.001	<0.001
11/16/2016	<0.001	<0.001		
11/17/2016			<0.001	<0.001
1/16/2017	<0.001	<0.001		
1/17/2017			<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001		
5/23/2017			<0.001	<0.001
2/21/2020		<0.001	<0.001	<0.001
2/22/2020	<0.001			
4/14/2020	<0.001	<0.001		
4/15/2020			<0.001	<0.001
10/22/2020		<0.001	<0.001	<0.001
10/23/2020	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
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	0.066
5/16/2016		0.044	0.042	0.096	0.058	
5/17/2016	0.21					0.048
7/11/2016			0.038	0.092		
7/12/2016	0.18	0.029			0.048	0.066
9/12/2016				0.11		
9/13/2016	0.19	0.027	0.041		0.055	0.068
11/16/2016				0.094	0.054	0.067
11/17/2016	0.17	0.026	0.04			
1/16/2017	0.18		0.048	0.1	0.055	0.065
1/17/2017		0.03				
3/20/2017	0.19	0.026	0.053	0.096	0.059	0.067
5/22/2017				0.1		
5/23/2017	0.19	0.027	0.058		0.066	0.067
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	0.0673
4/14/2020				0.17		
4/15/2020	0.107	0.0259	0.0512		0.0658	0.0641
10/23/2020	0.101	0.0311	0.0508	0.139	0.0598	0.0603
3/15/2021	0.0989	0.035	0.0545	0.129	0.0635	0.065

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		0.16	0.11	0.043
3/22/2016	0.076			
5/16/2016	0.12	0.16		0.032
5/17/2016			0.093	
7/11/2016	0.068	0.15	0.1	0.037
9/12/2016	0.068	0.16		
9/13/2016			0.12	0.04
11/16/2016	0.07	0.15		
11/17/2016			0.1	0.041
1/16/2017	0.065	0.15		
1/17/2017			0.1	0.039
3/20/2017	0.066	0.17	0.11	0.035
5/22/2017	0.064	0.17		
5/23/2017			0.11	0.044
2/21/2020		0.0988	0.143	0.0572
2/22/2020	0.0557			
4/14/2020	0.0549	0.0891		
4/15/2020			0.133	0.0459
10/22/2020		0.0755	0.0836	0.0425
10/23/2020	0.0554			
3/15/2021	0.0599	0.0943	0.0905	0.0499

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	0.00046 (B1J)	<0.001	<0.001	<0.001	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001	
5/17/2016	0.00048 (J)					<0.001
7/11/2016			<0.001	<0.001		
7/12/2016	0.00039 (J)	<0.001			<0.001	<0.001
9/12/2016				<0.001		
9/13/2016	<0.001	<0.001	<0.001		<0.001	<0.001
11/16/2016				<0.001	<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	<0.001
1/17/2017		<0.001				
3/20/2017	0.00037 (J)	<0.001	<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	<0.001
2/21/2020		<0.001	<0.001			
2/22/2020	<0.001			0.000486 (J)	<0.001	<0.001
4/14/2020				0.000629 (J)		
4/15/2020	0.000388 (J)	<0.001	0.000378 (J)		<0.001	0.000191 (J)
10/23/2020	<0.001	0.000366 (J)	<0.001	0.000486 (J)	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	0.00044 (J)	<0.001	<0.001

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		0.00044 (B1J)	<0.001	<0.001
3/22/2016	<0.001			
5/16/2016	<0.001	0.0004 (J)		<0.001
5/17/2016			0.00034 (J)	
7/11/2016	<0.001	0.00038 (J)	0.00041 (J)	<0.001
9/12/2016	<0.001	0.00035 (J)		
9/13/2016			<0.001	<0.001
11/16/2016	<0.001	0.00039 (J)		
11/17/2016			<0.001	<0.001
1/16/2017	<0.001	0.00044 (J)		
1/17/2017			0.00034 (J)	<0.001
3/20/2017	<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
2/21/2020		0.000284 (J)	0.000255 (J)	<0.001
2/22/2020	<0.001			
4/14/2020	<0.001	0.000304 (J)		
4/15/2020			0.000248 (J)	<0.001
10/22/2020		0.000257 (J)	<0.001	<0.001
10/23/2020	<0.001			
3/15/2021	<0.001	0.000303 (J)	<0.001	<0.001

Time Series

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	<0.08	<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					<0.08
7/11/2016			<0.08	<0.08		
7/12/2016	<0.08	<0.08			<0.08	<0.08
9/12/2016				<0.08		
9/13/2016	0.055 (o)	<0.08	0.03 (J)		<0.08	<0.08
11/16/2016				<0.08	<0.08	<0.08
11/17/2016	<0.08	<0.08	<0.08			
1/16/2017	<0.08		<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	<0.08
5/22/2017				<0.08		
5/23/2017	0.027 (J)	0.027 (J)	<0.08		<0.08	<0.08
10/17/2017				<0.08		
10/18/2017	<0.08	0.022 (J)	<0.08		<0.08	<0.08
6/1/2018		0.022 (J)				
6/2/2018	<0.08		<0.08	<0.08	<0.08	<0.08
11/7/2018				<0.08		
11/8/2018	<0.08	<0.08	<0.08		<0.08	<0.08
4/19/2019	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/25/2019	<0.08	0.046 (J)	<0.08	0.0677	<0.08	<0.08
11/29/2019				0.123		
4/14/2020				0.102		
4/15/2020	<0.08	<0.08	<0.08		<0.08	<0.08
10/23/2020	<0.08	<0.08	0.0654 (J)	0.137	<0.08	<0.08
3/15/2021	<0.08	<0.08	<0.08	0.15	<0.08	<0.08

Time Series

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.08	<0.08	<0.08
3/22/2016	<0.08			
5/16/2016	<0.08	<0.08		<0.08
5/17/2016			<0.08	
7/11/2016	<0.08	<0.08	<0.08	<0.08
9/12/2016	<0.08	<0.08		
9/13/2016			<0.08	<0.08
11/16/2016	<0.08	<0.08		
11/17/2016			<0.08	<0.08
1/16/2017	<0.08	<0.08		
1/17/2017			<0.08	<0.08
3/20/2017	<0.08	<0.08	<0.08	<0.08
5/22/2017	<0.08	<0.08		
5/23/2017			<0.08	0.023 (J)
10/18/2017	<0.08	<0.08	<0.08	<0.08
6/1/2018		<0.08	<0.08	<0.08
6/2/2018	<0.08			
11/7/2018		<0.08	<0.08	
11/8/2018	<0.08			<0.08
4/19/2019	<0.08	<0.08	<0.08	<0.08
9/25/2019	<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
10/22/2020		<0.08	<0.08	<0.08
10/23/2020	<0.08			
3/15/2021	<0.08	<0.08	<0.08	<0.08

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.001	<0.001	<0.001
3/22/2016	<0.001			
5/16/2016	<0.001	<0.001		<0.001
5/17/2016			<0.001	
7/11/2016	<0.001	<0.001	<0.001	<0.001
9/12/2016	<0.001	<0.001		
9/13/2016			<0.001	<0.001
11/16/2016	<0.001	<0.001		
11/17/2016			<0.001	<0.001
1/16/2017	<0.001	<0.001		
1/17/2017			<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001		
5/23/2017			<0.001	<0.001
2/21/2020		<0.001	<0.001	<0.001
2/22/2020	<0.001			
10/22/2020		<0.001	<0.001	<0.001
10/23/2020	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	6.6	2.7 (o)	0.87	1.2	1.6	2.1
5/16/2016		2.9 (o)	0.79	0.92	1.9	
5/17/2016	7.4					1.6
7/11/2016			0.67	0.78		
7/12/2016	5	0.89			1.5	2.1
9/12/2016				0.94		
9/13/2016	5.5	0.74	0.62		1.4	2
11/16/2016				0.81	1.5	2.3
11/17/2016	4.8	0.69	0.78			
1/16/2017	5		0.85	1	1.6	2
1/17/2017		1.2				
3/20/2017	5.3	0.66	0.96	0.92	1.7	2.1
5/22/2017				0.91		
5/23/2017	5	0.61	0.94		1.8	1.9
10/17/2017				1.3		
10/18/2017	7.6	0.55	1.3		2.1	2.3
12/19/2017			1 (RS)			
6/1/2018		0.7				
6/2/2018	4.5		0.81	1.2	2	1.8
11/7/2018				1.5		
11/8/2018	4.1	0.59	0.95		2.2	1.9
4/19/2019	3.26	1.03	0.942	6.3 (o)	1.88	1.7
6/7/2019				6.91		
9/25/2019	3.68	0.625	0.935	20.2	2.18	1.85
11/29/2019				35.8		
2/21/2020		1.01	0.931			
2/22/2020	3.21			48.2	1.94	1.87
4/14/2020				64		
4/15/2020	3.25	0.69	1.1		1.96	1.97
10/23/2020	3.06	0.856	1.11	52	1.82	1.75
3/15/2021	3.04	0.935	1.11	44.7	1.84	1.79

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		1.9	2.9	0.94
3/22/2016	1.4			
5/16/2016	1.3	2		0.85
5/17/2016			1.8	
7/11/2016	1.3	1.9	1.7	0.82
9/12/2016	1.1	1.8		
9/13/2016			2.5	0.94
11/16/2016	1.6	1.8		
11/17/2016			1.6	0.85
1/16/2017	1.2	1.8		
1/17/2017			2.3	0.83
3/20/2017	1.2	1.9	1.9	0.84
5/22/2017	1.1	1.9		
5/23/2017			1.9	0.96
10/18/2017	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	1.1			
11/7/2018		1.6	2.8	
11/8/2018	1.1			0.93
4/19/2019	0.998	1.34	2.99	1
9/25/2019	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	1.09			
4/14/2020	1.2	1.23		
4/15/2020			2.94	1.22
10/22/2020		0.93	2.01	0.988
10/23/2020	1.17			
3/15/2021	1.4	1.23	2.26	1.26

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	11	5.2	7.6	11	7.7	10
5/16/2016		5.5	7.2	10	6.6	
5/17/2016	10					7.8
7/11/2016			6.4	11		
7/12/2016	9	6.2			6.4	9.1
9/12/2016				10		
9/13/2016	8.9	5	6.8		6.3	8.7
11/16/2016				10	7.5	9.5
11/17/2016	7.9	<6.3	7.9			
1/16/2017	7.8		7.9	9.9	7.2	9.8
1/17/2017		5.3				
3/20/2017	8.3	5.6	8.7	11	8	9.6
5/22/2017				10		
5/23/2017	6.9	5.5	8.3		7.8	8.4
10/17/2017				9.8		
10/18/2017	6.6	4	8.6		9.5	7.6
6/1/2018		4				
6/2/2018	2.9		6.8	8.8	8.2	7.3
11/7/2018				25 (o)		
11/8/2018	3	4.6	8.4		9.5	7.8
4/19/2019	2.65	4.41	8.38	9.34	7.82	6.57
9/25/2019	2.93	4.69	8.26	9.57	8.94	6.59
4/14/2020				8.55		
4/15/2020	2.61	5.24	8.84		7.96	6.65
10/23/2020	2.53	5.9	9.06	8.62	7.18	6.54
3/15/2021	1.93	6.57	8.99	8.83	6.9	6.69

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		17	9.7	7.1
3/22/2016	8.3			
5/16/2016	6.6	16		6.4
5/17/2016			8.7	
7/11/2016	7	16	8.6	7.1
9/12/2016	6.6	16		
9/13/2016			7.9	6.6
11/16/2016	<6.3	15		
11/17/2016			8.6	7.9
1/16/2017	7.1	16		
1/17/2017			8.9	7.8
3/20/2017	7	16	9	7
5/22/2017	6.9	15		
5/23/2017			8.7	8
10/18/2017	6.3	15	7.8	7
6/1/2018		13	9	6.9
6/2/2018	6.2			
11/7/2018		13	11	
11/8/2018	6.4			7.1
4/19/2019	5.99	10.6	11	7.55
6/7/2019			11.3	
9/25/2019	6.72	8.59	11.2	13.2
11/29/2019				8.42
4/14/2020	6.94	9.49		
4/15/2020			10.9	8.78
10/22/2020		8.07	8.39	8.11
10/23/2020	7.26			
3/15/2021	7.83	8.68	8.19	9.27

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.002	<0.002	<0.002
3/22/2016	<0.002			
5/16/2016	<0.002	<0.002		<0.002
5/17/2016			<0.002	
7/11/2016	<0.002	<0.002	<0.002	<0.002
9/12/2016	<0.002	<0.002		
9/13/2016			<0.002	<0.002
11/16/2016	<0.002	<0.002		
11/17/2016			<0.002	<0.002
1/16/2017	<0.002	<0.002		
1/17/2017			<0.002	0.0024 (J)
3/20/2017	<0.002	<0.002	<0.002	<0.002
5/22/2017	<0.002	<0.002		
5/23/2017			<0.002	<0.002
2/21/2020		<0.002	<0.002	<0.002
2/22/2020	<0.002			
10/22/2020		<0.002	<0.002	<0.002
10/23/2020	<0.002			
3/15/2021	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	0.0044	0.00064 (B1J)	0.00084 (B1J)	0.002 (B1J)	0.0015 (B1J)	0.00096 (B1J)
5/16/2016		0.00063 (J)	0.00073 (J)	0.0015 (J)	0.0018 (J)	
5/17/2016	0.0043					0.00079 (J)
7/11/2016			0.00076 (J)	0.0016 (J)		
7/12/2016	0.0038	0.00066 (J)			0.0014 (J)	0.00099 (J)
9/12/2016				0.0019 (J)		
9/13/2016	0.0038	0.00068 (J)	0.00059 (J)		0.0015 (J)	0.00084 (J)
11/16/2016				0.0016 (J)	0.0016 (J)	0.00097 (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)	0.00088 (J)
1/17/2017		0.00058 (J)				
3/20/2017	0.0038	0.00064 (J)	0.00094 (J)	0.0017 (J)	0.0017 (J)	0.00096 (J)
5/22/2017				0.0017 (J)		
5/23/2017	0.0033	0.00061 (J)	0.00096 (J)		0.0018 (J)	0.001 (J)
2/21/2020		0.000536 (J)	0.000809 (J)			
2/22/2020	0.00156 (J)			0.00328	0.00148 (J)	0.001 (J)
4/14/2020				0.00377		
4/15/2020	0.00177 (J)	0.000731 (J)	0.000986 (J)		0.00176 (J)	0.00117 (J)
10/23/2020	0.00155	0.0011	0.000961	0.00289	0.00144	0.000951
3/15/2021	0.00149	0.00103	0.000859	0.00341	0.00165	0.00112

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		0.0025	0.0015 (B1J)	0.0011 (B1J)
3/22/2016	0.0027			
5/16/2016	0.0025	0.0022 (J)		0.001 (J)
5/17/2016			0.0014 (J)	
7/11/2016	0.003	0.0023 (J)	0.0016 (J)	0.0012 (J)
9/12/2016	0.0026	0.0024 (J)		
9/13/2016			0.0019 (J)	0.0012 (J)
11/16/2016	0.0026	0.0022 (J)		
11/17/2016			0.0014 (J)	0.0011 (J)
1/16/2017	0.0022 (J)	0.0021 (J)		
1/17/2017			0.0014 (J)	0.0011 (J)
3/20/2017	0.0024 (J)	0.0025	0.0017 (J)	0.0012 (J)
5/22/2017	0.0022 (J)	0.0025		
5/23/2017			0.0015 (J)	0.0012 (J)
2/21/2020		0.00118 (J)	0.0016 (J)	0.0011 (J)
2/22/2020	0.00131 (J)			
4/14/2020	0.00155 (J)	0.00131 (J)		
4/15/2020			0.00171 (J)	0.00121 (J)
10/22/2020		0.00111	0.00104	0.00108
10/23/2020	0.0014			
3/15/2021	0.00177	0.00146	0.00127	0.00137

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	6.64 (o)	0.498	0.828	2.09	1.13	1.43
5/16/2016		0.949	0.481	2.22	1.07	
5/17/2016	4.16					1.49
7/11/2016			0.629	1.58		
7/12/2016	0.478 (U)	0.248 (U)			0.701	1.65
9/12/2016				2.52		
9/13/2016	1.47	0.66	1.08		1	1.51
11/16/2016				1.62	1.45	1.76
11/17/2016	3.28	0.199 (U)	0.848			
1/16/2017	3.22		0.874	2.37	0.786	1.83
1/17/2017		0.575				
3/20/2017	2.85	0.221 (U)	0.704	1.87	1.04	1.19
5/22/2017				1.82		
5/23/2017	2.48	0.264 (U)	0.643		1.05	0.851
2/21/2020		1.01	0.278 (U)			
2/22/2020	1.29			3.17	0.845	0.786
4/14/2020				3.99		
4/15/2020	1.73	0.677	0.933		1.51	1.02
10/23/2020	1.94	1.17	0.517	2.74	1.6	1.42
3/15/2021	1.78	0.982	0.499	3.06	1.35	1

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		2.6	2.05	0.666
3/22/2016	1.15			
5/16/2016	1.25	3.23		1.06
5/17/2016			2.9	
7/11/2016	1.06	2.11	1.58	0.558 (U)
9/12/2016	1.27	2.67		
9/13/2016			1.7	1.04
11/16/2016	1.27	2.6		
11/17/2016			1.99	0.646
1/16/2017	1.48	2.82		
1/17/2017			2.54	0.777
3/20/2017	0.843	2.34	1.76	0.42
5/22/2017	0.878	2.44		
5/23/2017			2.09	0.574
2/21/2020		1.49	2.19	1.31
2/22/2020	0.649			
4/14/2020	0.702	1.36		
4/15/2020			2	0.76
10/22/2020		1.11	1.84	0.847
10/23/2020	1.25			
3/15/2021	0.911	1.41	1.78	0.674

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	0.04 (J)	<0.1	<0.1	0.04 (J)	<0.1	<0.1
5/16/2016		<0.1	<0.1	0.04 (J)	<0.1	
5/17/2016	0.04 (J)					<0.1
7/11/2016			<0.1	0.04 (J)		
7/12/2016	0.04 (J)	<0.1			<0.1	<0.1
9/12/2016				0.04 (J)		
9/13/2016	<0.1	<0.1	<0.1		<0.1	<0.1
11/16/2016				0.04 (J)	<0.1	<0.1
11/17/2016	<0.1	<0.1	<0.1			
1/16/2017	<0.1		<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	<0.1
5/22/2017				0.04 (J)		
5/23/2017	0.04 (J)	<0.1	<0.1		<0.1	<0.1
10/17/2017				0.05 (J)		
10/18/2017	0.04 (J)	<0.1	<0.1		<0.1	<0.1
6/1/2018		<0.1				
6/2/2018	<0.1		<0.1	0.05 (J)	<0.1	<0.1
11/7/2018				0.05 (J)		
11/8/2018	<0.1	<0.1	<0.1		<0.1	<0.1
4/19/2019	<0.1	<0.1	0.0267 (J)	0.108	<0.1	<0.1
6/7/2019				0.0937 (J)		
9/25/2019	<0.1	0.0267 (J)	<0.1	0.198	<0.1	<0.1
11/29/2019				0.331		
2/21/2020		<0.1	<0.1			
2/22/2020	<0.1			0.222	<0.1	<0.1
4/14/2020				0.23		
4/15/2020	<0.1	<0.1	<0.1		<0.1	<0.1
10/23/2020	<0.1	<0.1	<0.1	0.0988 (J)	<0.1	<0.1
3/15/2021	<0.1	<0.1	<0.1	0.0991 (J)	<0.1	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:09 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.1	<0.1	<0.1
3/22/2016	<0.1			
5/16/2016	<0.1	0.04 (J)		<0.1
5/17/2016			<0.1	
7/11/2016	<0.1	0.04 (J)	<0.1	<0.1
9/12/2016	<0.1	<0.1		
9/13/2016			<0.1	<0.1
11/16/2016	<0.1	<0.1		
11/17/2016			<0.1	<0.1
1/16/2017	<0.1	<0.1		
1/17/2017			<0.1	<0.1
3/20/2017	<0.1	<0.1	<0.1	<0.1
5/22/2017	0.05 (J)	0.04 (J)		
5/23/2017			<0.1	<0.1
10/18/2017	<0.1	<0.1	<0.1	<0.1
6/1/2018		<0.1	<0.1	<0.1
6/2/2018	<0.1			
11/7/2018		<0.1	<0.1	
11/8/2018	<0.1			<0.1
4/19/2019	<0.1	<0.1	<0.1	<0.1
9/25/2019	<0.1	<0.1	0.0277 (J)	0.0313 (J)
2/21/2020		<0.1	<0.1	<0.1
2/22/2020	<0.1			
4/14/2020	0.0304 (J)	<0.1		
4/15/2020			<0.1	<0.1
10/22/2020		<0.1	<0.1	<0.1
10/23/2020	<0.1			
3/15/2021	<0.1	0.027 (J)	<0.1	<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	<0.001	<0.001	<0.001	0.00038 (B1J)	<0.001	<0.001
5/16/2016		<0.001	<0.001	0.00047 (J)	<0.001	
5/17/2016	<0.001					<0.001
7/11/2016			<0.001	0.0004 (J)		
7/12/2016	<0.001	<0.001			<0.001	<0.001
9/12/2016				<0.001		
9/13/2016	<0.001	<0.001	<0.001		<0.001	<0.001
11/16/2016				0.00041 (J)	<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001			
1/16/2017	<0.001		<0.001	0.00039 (J)	<0.001	<0.001
1/17/2017		<0.001				
3/20/2017	<0.001	<0.001	<0.001	0.00039 (J)	<0.001	<0.001
5/22/2017				0.00044 (J)		
5/23/2017	<0.001	<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	<0.001
4/14/2020				0.00142		
4/15/2020	0.000434 (J)	<0.001	0.000486 (J)		0.000192 (J)	0.000153 (J)
10/23/2020	<0.001	0.000162 (J)	0.000176 (J)	0.00083 (J)	<0.001	<0.001
3/15/2021	<0.001	<0.001	0.000169 (J)	0.000889 (J)	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.001	<0.001	<0.001
3/22/2016	<0.001			
5/16/2016	<0.001	<0.001		<0.001
5/17/2016			<0.001	
7/11/2016	<0.001	<0.001	<0.001	<0.001
9/12/2016	<0.001	<0.001		
9/13/2016			<0.001	<0.001
11/16/2016	<0.001	<0.001		
11/17/2016			<0.001	<0.001
1/16/2017	<0.001	<0.001		
1/17/2017			<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001		
5/23/2017			<0.001	<0.001
2/21/2020		0.000132 (J)	0.000128 (J)	0.00017 (J)
2/22/2020	<0.001			
4/14/2020	<0.001	0.000165 (J)		
4/15/2020			0.000147 (J)	0.000215 (J)
10/22/2020		<0.001	<0.001	<0.001
10/23/2020	<0.001			
3/15/2021	<0.001	<0.001	<0.001	0.000159 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.005	<0.005	<0.005
3/22/2016	<0.005			
5/16/2016	<0.005	<0.005		<0.005
5/17/2016			<0.005	
7/11/2016	<0.005	<0.005	<0.005	<0.005
9/12/2016	<0.005	<0.005		
9/13/2016			<0.005	<0.005
11/16/2016	<0.005	<0.005		
11/17/2016			<0.005	<0.005
1/16/2017	<0.005	<0.005		
1/17/2017			<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005	<0.005		
5/23/2017			<0.005	<0.005
2/21/2020		<0.005	<0.005	<0.005
2/22/2020	<0.005			
10/22/2020		<0.005	<0.005	<0.005
10/23/2020	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
3/22/2016	<0.0002 (*)			
5/16/2016	<0.0002	<0.0002		<0.0002
5/17/2016			<0.0002	
7/11/2016	<0.0002	<0.0002	<0.0002	<0.0002
9/12/2016	<0.0002	<0.0002		
9/13/2016			<0.0002	<0.0002
11/16/2016	<0.0002	<0.0002		
11/17/2016			<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002		
1/17/2017			<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017	<0.0002	<0.0002		
5/23/2017			<0.0002	<0.0002
2/21/2020		<0.0002	<0.0002	<0.0002
2/22/2020	<0.0002			
10/22/2020		<0.0002	<0.0002	<0.0002
10/23/2020	<0.0002			
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.005	<0.005	<0.005
3/22/2016	<0.005			
5/16/2016	<0.005	<0.005		<0.005
5/17/2016			<0.005	
7/11/2016	<0.005	<0.005	<0.005	<0.005
9/12/2016	<0.005	<0.005		
9/13/2016			<0.005	<0.005
11/16/2016	<0.005	<0.005		
11/17/2016			<0.005	<0.005
1/16/2017	<0.005	<0.005		
1/17/2017			<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005	<0.005		
5/23/2017			<0.005	<0.005
2/21/2020		<0.005	<0.005	<0.005
2/22/2020	<0.005			
10/22/2020		<0.005	<0.005	<0.005
10/23/2020	<0.005			
3/15/2021	<0.005	<0.005	0.00192 (J)	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.005	<0.005	<0.005
3/22/2016	<0.005			
5/16/2016	<0.005	<0.005		0.00031 (J)
5/17/2016			<0.005	
7/11/2016	<0.005	<0.005	<0.005	0.0004 (J)
9/12/2016	<0.005	<0.005		
9/13/2016			<0.005	<0.005 (*)
11/16/2016	<0.005	<0.005		
11/17/2016			<0.005	<0.005
1/16/2017	<0.005	<0.005		
1/17/2017			<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005	<0.005		
5/23/2017			<0.005	<0.005
2/21/2020		<0.005	<0.005	<0.005
2/22/2020	<0.005			
10/22/2020		<0.005	<0.005	<0.005
10/23/2020	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
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	<1
5/16/2016		<1	<1	<1	<1	
5/17/2016	4.1 (J)					<1
7/11/2016			1.4 (J)	<1		
7/12/2016	5.2	<1			<1	<1
9/12/2016				<1		
9/13/2016	5.5	1.6 (J)	<1		<1	<1
11/16/2016				<1	<1	<1
11/17/2016	5.9	<1	<1			
1/16/2017	6.6		<1	<1	<1	<1
1/17/2017		<1				
3/20/2017	<1	<1	<1	<1	<1	<1
5/22/2017				<1		
5/23/2017	6	<1	<1		<1	<1
10/17/2017				<1		
10/18/2017	8	<1	<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)	3.4 (J)
11/7/2018				2.1 (J)		
11/8/2018	10	<1	<1		1.8 (J)	3.1 (J)
4/19/2019	10.1	0.702 (J)	0.468 (J)	19.5 (o)	2.1	3.82
6/7/2019	8.98			19.2		
9/25/2019	8.87	0.648 (J)	0.436 (J)	65.1	2.3	3.52
11/29/2019	9.09			107		
4/14/2020				194		
4/15/2020	9.84	<1	<1		2	3.38
10/23/2020	8.82	0.515 (J)	0.405 (J)	142	1.75	3.33
3/15/2021	9.05	<1	<1	116	1.94	3.42

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<1	<1	<1
3/22/2016	2.9 (J)			
5/16/2016	2.7 (J)	<1		1.7 (J)
5/17/2016			<1	
7/11/2016	2.5 (J)	<1	<1	1.5 (J)
9/12/2016	2.8 (J)	<1		
9/13/2016			<1	1.5 (J)
11/16/2016	3.1 (J)	<1		
11/17/2016			<1	<1
1/16/2017	2.1	<1		
1/17/2017			<1	<1
3/20/2017	<1	<1	<1	<1
5/22/2017	1.9 (J)	<1		
5/23/2017			<1	<1
10/18/2017	<1	<1	<1	<1
6/1/2018		<1	1.4 (J)	3.3 (J)
6/2/2018	1.8 (J)			
11/7/2018		<1	<1	
11/8/2018	1.6 (J)			1.8 (J)
4/19/2019	1.96	0.449 (J)	0.906 (J)	2.3
9/25/2019	1.98	1.57	<1	<1
4/14/2020	1.85	<1		
4/15/2020			<1	1.64
10/22/2020		<1	0.657 (J)	1.46
10/23/2020	1.75			
3/15/2021	1.8	<1	1.2	1.37

Time Series

Constituent: Temperature (C) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
1/29/2015	20.47		19.98	20.58	17.9	
3/3/2015	20.89		20.94	20.68	20.61	
4/7/2015	22.73		22.08	21.54	21.2	
5/14/2015	22.72		22.84	22.05	22.3	
6/3/2015	21.81		22.08	21.58	21.63	
6/18/2015	21.93		21.82	22.23	22.58	
6/30/2015	24.73		23.02	22.13	23.05	
7/15/2015	21.64		21.64	22.52	22.66	
1/11/2016	12.89		18.24	17.59	18.45	
3/22/2016	20.38	20.69	19.82	20.74	21.05	20.71
5/16/2016		21.57	22.13	23.79	23.34	
5/17/2016	22.82					21.5
7/11/2016			21.54	28.15		
7/12/2016	21.69	21.78			21.82	21.28
9/12/2016				22.26		
9/13/2016	21.43	21.33	21.9		21.19	21.16
11/16/2016				24.2	22.26	22.13
11/17/2016	17.99	19.72	22.35			
1/16/2017	22.91		20.68	20.63	22.52	22.55
1/17/2017		21.72				
3/20/2017	20.91	21.96	21.06	23.24	23.92	25.14
5/22/2017				22.88		
5/23/2017	22.33	22.19	21.95		22.26	22.61
2/21/2020		20.51	19.76			
2/22/2020	19.98			21.93	20.44	
4/14/2020				23.09		
4/15/2020	20.48	18.03	20.39		18.87	16.75
3/15/2021	20.18	19.41	19.21	22.45	22.84	22.49

Time Series

Constituent: Temperature (C) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		20.34	20.08	19.71
3/22/2016	21.01			
5/16/2016	22.72	20.57		20.84
5/17/2016			21.95	
7/11/2016	24.78	24.35	22.59	21.82
9/12/2016	21.4	21.63		
9/13/2016			21.57	21.99
11/16/2016	22.44	20.48		
11/17/2016			23.85	24.24
1/16/2017	20.92	21.81		
1/17/2017			21.68	20.96
3/20/2017	23.6	20.02	21.55	21.14
5/22/2017	22.22	20.78		
5/23/2017			21.68	21.71
2/21/2020		19.97	20.49	19.79
2/22/2020	20.6			
4/14/2020	22.98	21.63		
4/15/2020			22.08	17.72
3/15/2021	22.31	21.18	20.15	19.28

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		<0.001	<0.001	<0.001
3/22/2016	<0.001			
5/16/2016	<0.001	<0.001		<0.001
5/17/2016			<0.001	
7/11/2016	<0.001	<0.001	<0.001	<0.001
9/12/2016	<0.001	<0.001		
9/13/2016			<0.001	<0.001
11/16/2016	<0.001	<0.001		
11/17/2016			<0.001	<0.001
1/16/2017	<0.001	<0.001		
1/17/2017			<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001		
5/23/2017			<0.001	<0.001
2/21/2020		<0.001	<0.001	<0.001
2/22/2020	<0.001			
10/22/2020		<0.001	<0.001	<0.001
10/23/2020	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: T Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4	MW-5
3/22/2016	60	26	28	22	26	36
5/16/2016		44	18	52	28	
5/17/2016	90					36
7/11/2016			4 (J)	16		
7/12/2016	56	<3.4			24	34
9/12/2016				30		
9/13/2016	88	24	26		32	34
11/16/2016				42	60	56
11/17/2016	80	38	36			
1/16/2017	68		12	42	32	32
1/17/2017		20				
3/20/2017	12	6	<3.4	12	<3.4	20
5/22/2017				34		
5/23/2017	54	40	26		48	32
10/17/2017				60		
10/18/2017	70	20	32		54	50
6/1/2018		28				
6/2/2018	20		<3.4	<3.4	32	<3.4
11/7/2018				42		
11/8/2018	30	68	68		14	22
4/19/2019	38	20	29	83	43	34
6/7/2019				76		
9/25/2019	52	29	27	143	44	42
11/29/2019				180		
4/14/2020				299		
4/15/2020	43	22	32		31	26
10/23/2020	36	29	27	244	32	31
3/15/2021	36	22	30	201	27	32

Time Series

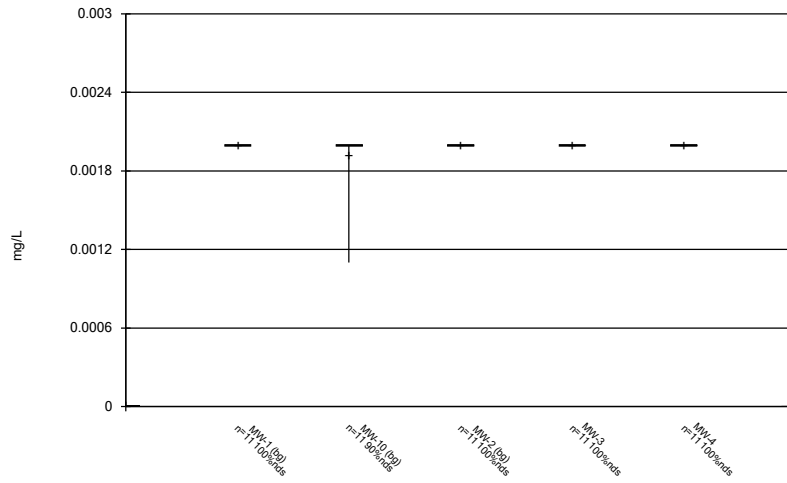
Constituent: T Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:10 PM View: Constituent View

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-7	MW-8	MW-9
3/21/2016		52	42	30
3/22/2016	<3.4			
5/16/2016	24	44		32
5/17/2016			38	
7/11/2016	14	22	14	24
9/12/2016	26	24		
9/13/2016			40	34
11/16/2016	40	52		
11/17/2016			40	52
1/16/2017	32	32		
1/17/2017			36	<3.4
3/20/2017	10	16	<3.4	14
5/22/2017	30	48		
5/23/2017			44	36
10/18/2017	28	50	28	34
6/1/2018		42	60	42
6/2/2018	<3.4			
11/7/2018		54	40	
11/8/2018	12			30
4/19/2019	26	36	71	23
9/25/2019	46	42	61	33
4/14/2020	26	30		
4/15/2020			53	28
10/22/2020		35	42	35
10/23/2020	25			
3/15/2021	29	32	39	31

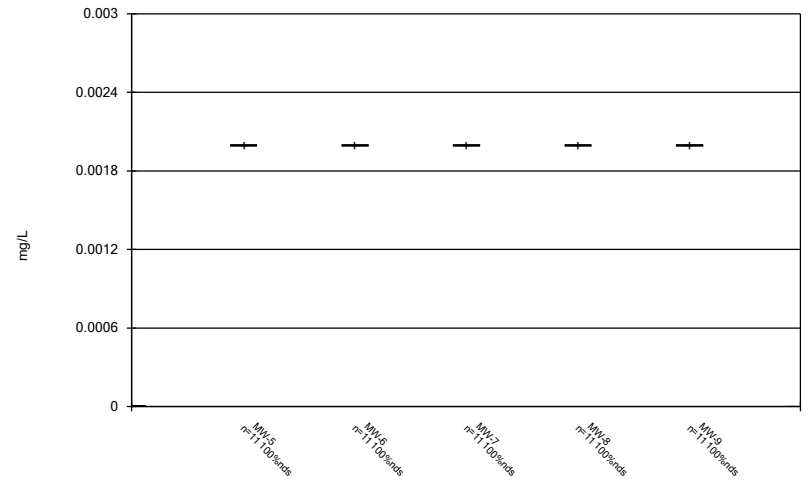
FIGURE B.

Box & Whiskers Plot



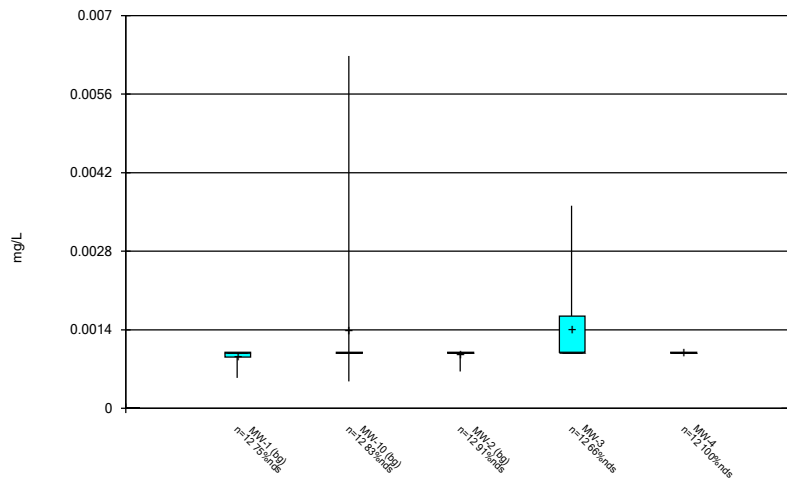
Constituent: Antimony Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



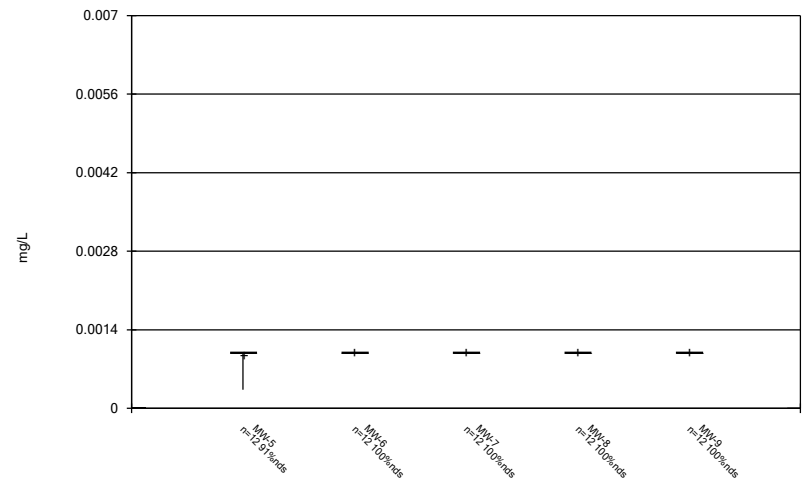
Constituent: Antimony Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



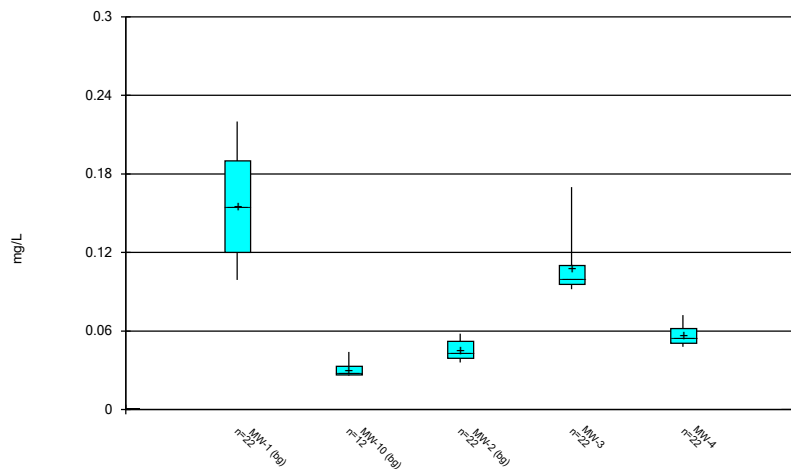
Constituent: Arsenic Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



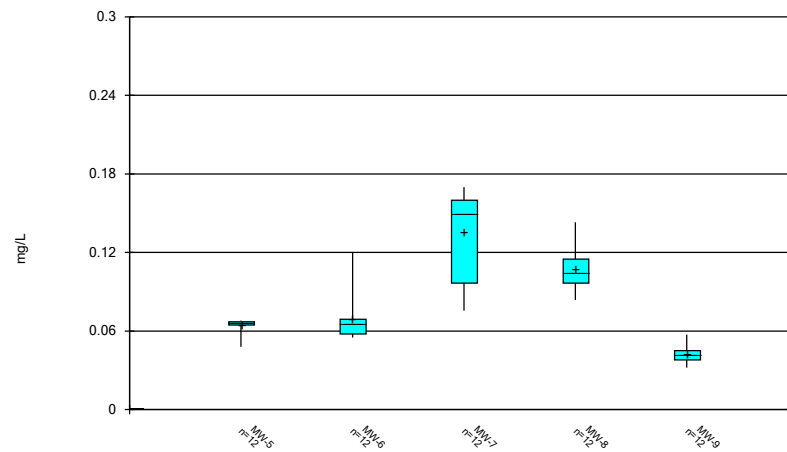
Constituent: Arsenic Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



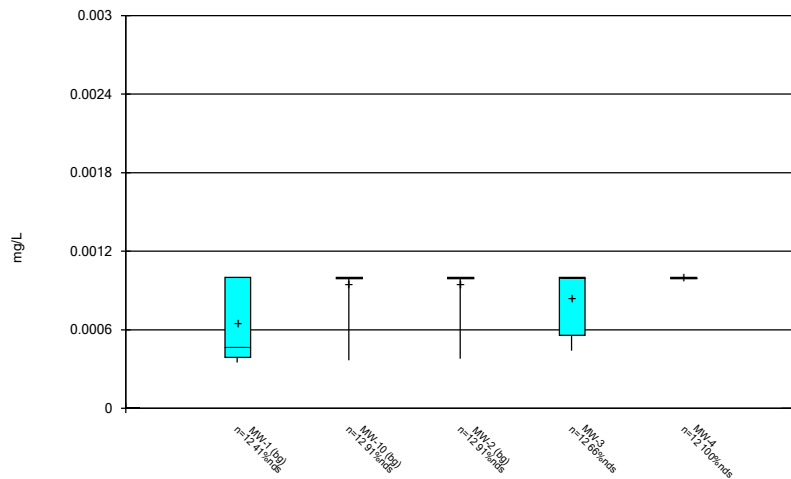
Constituent: Barium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



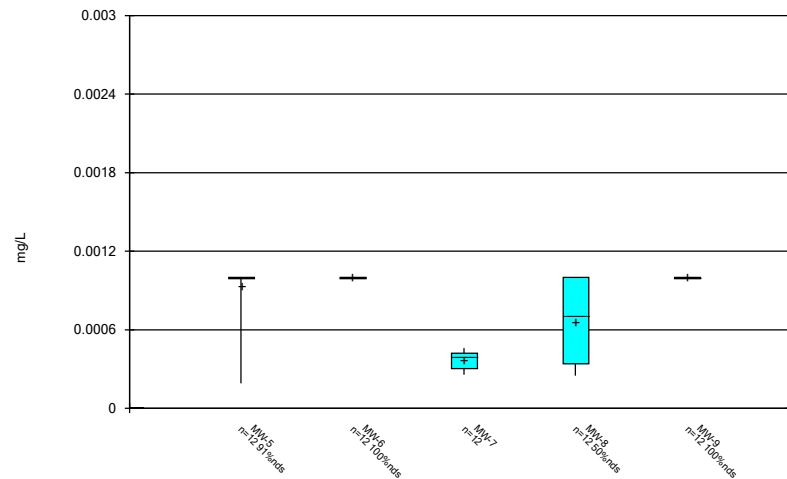
Constituent: Barium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



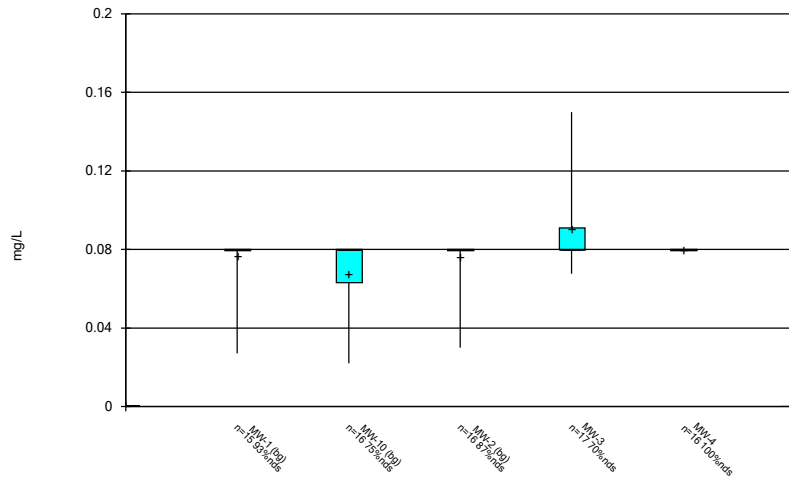
Constituent: Beryllium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



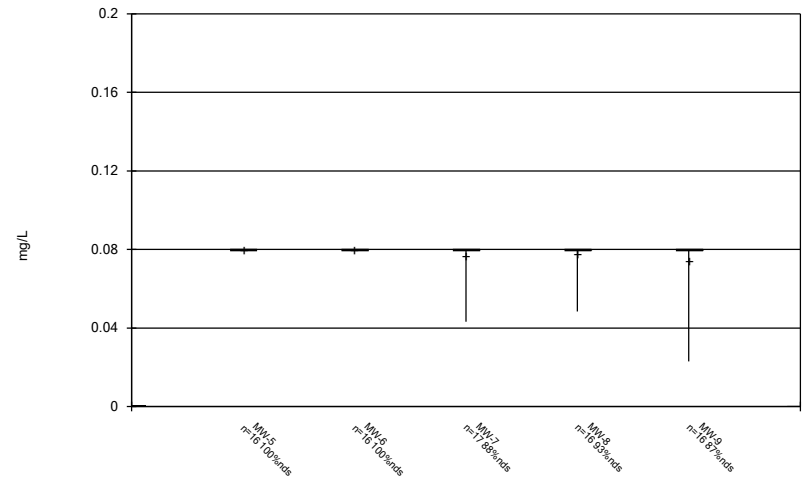
Constituent: Beryllium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



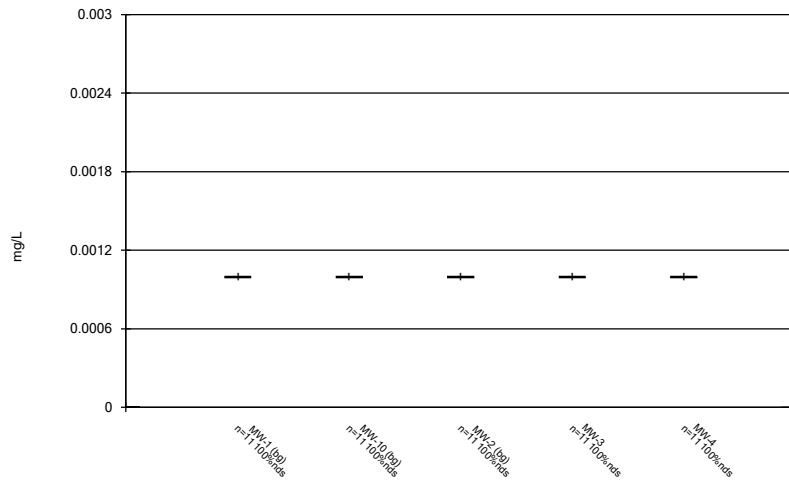
Constituent: Boron Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



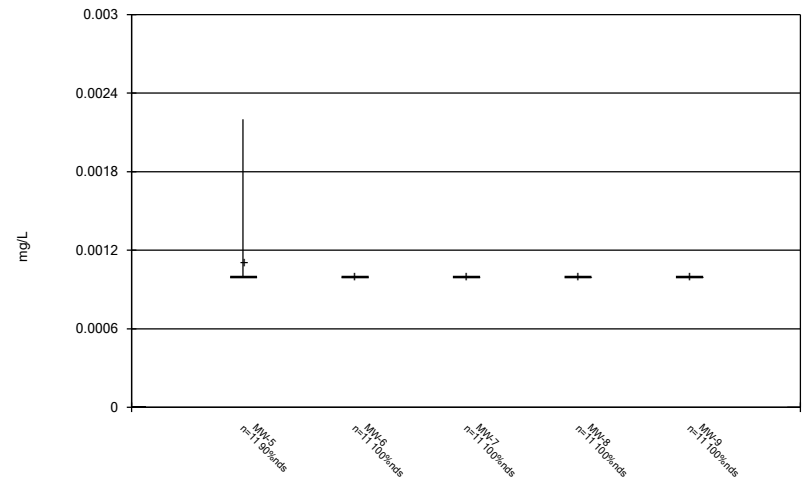
Constituent: Boron Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



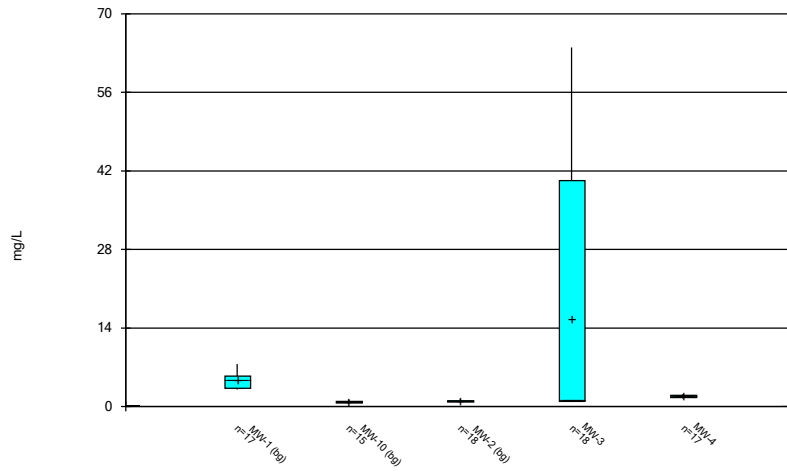
Constituent: Cadmium Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



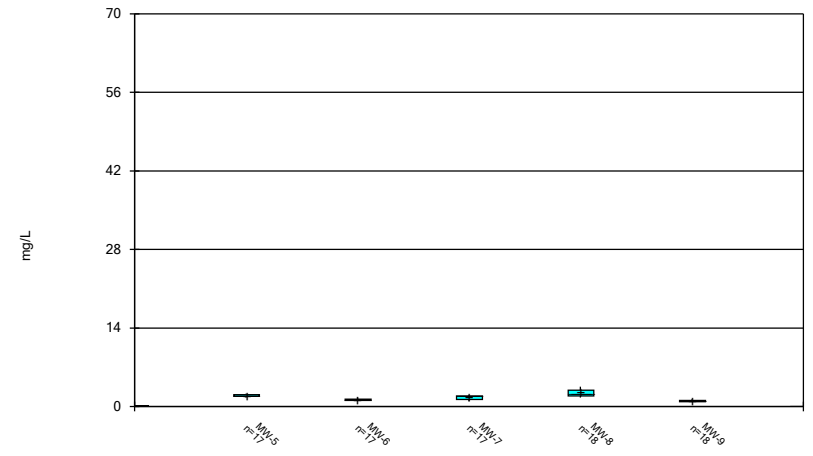
Constituent: Cadmium Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



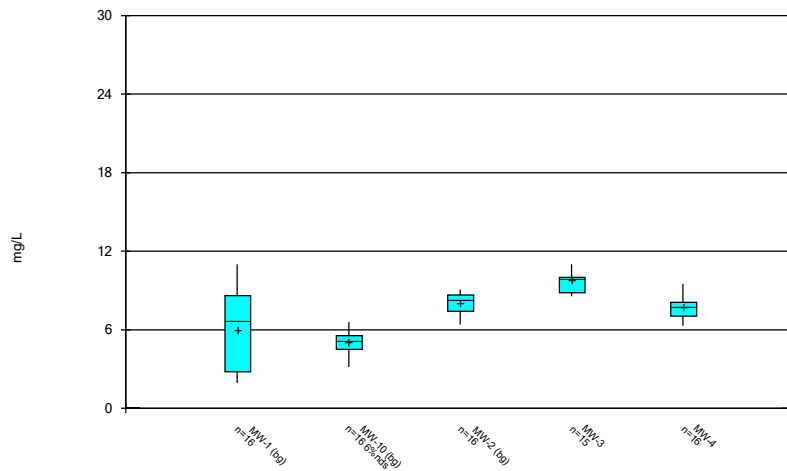
Constituent: Calcium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



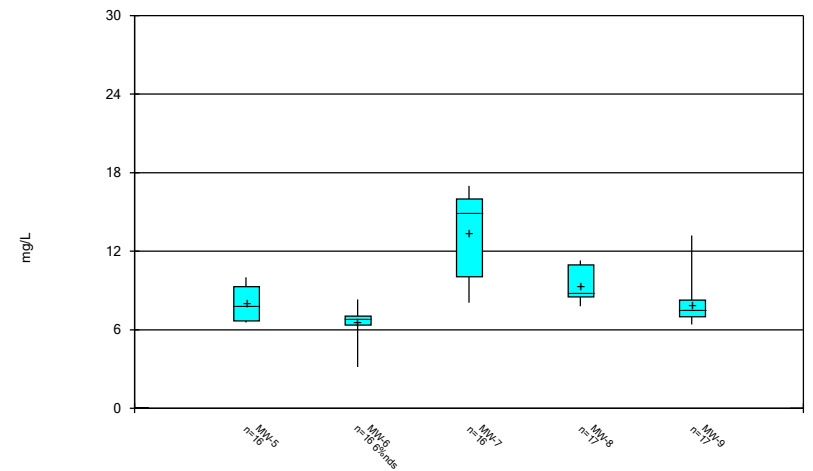
Constituent: Calcium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



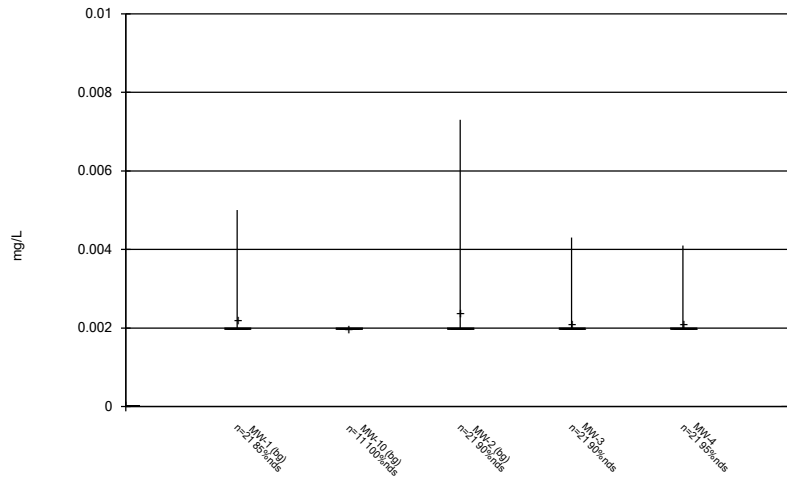
Constituent: Chloride Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



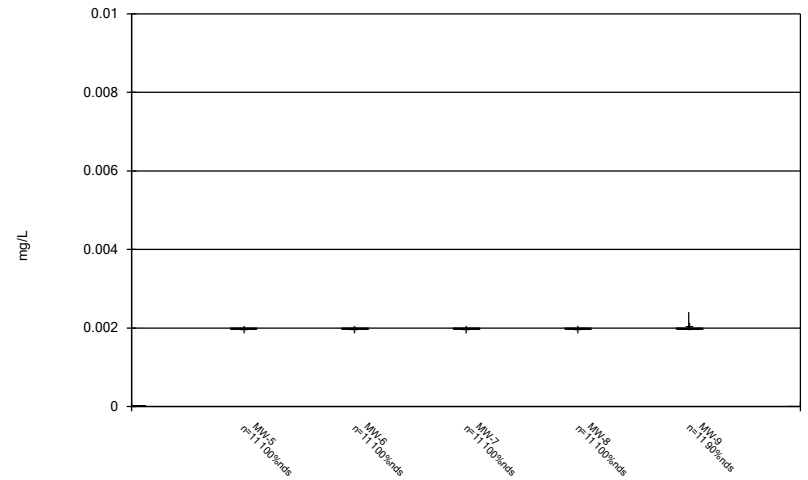
Constituent: Chloride Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



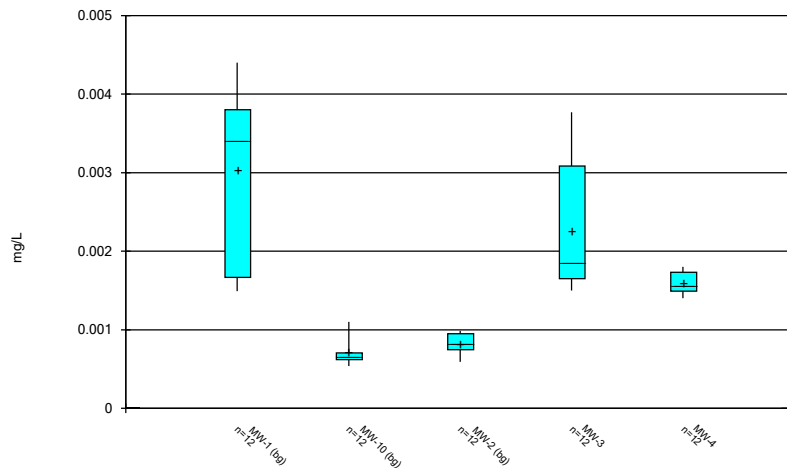
Constituent: Chromium Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



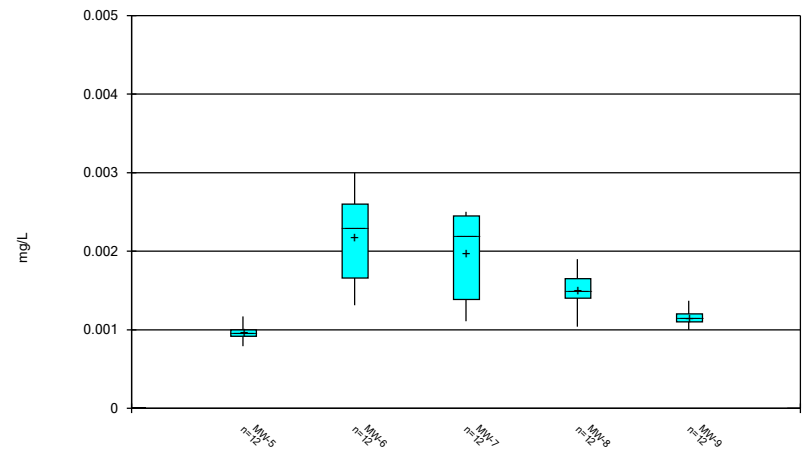
Constituent: Chromium Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



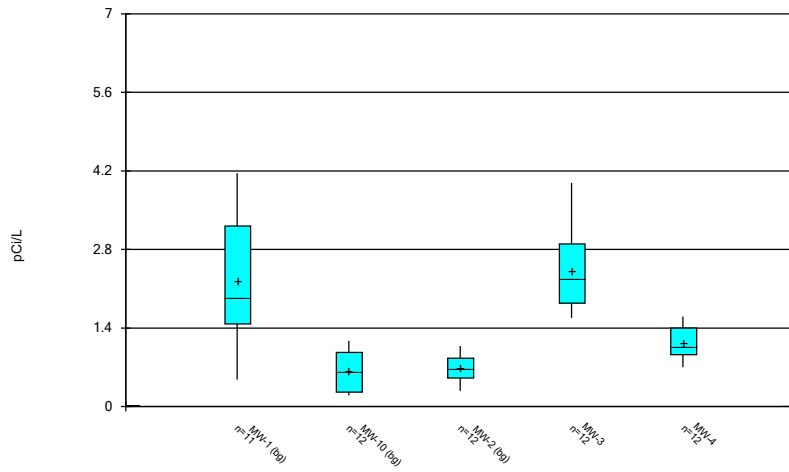
Constituent: Cobalt Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



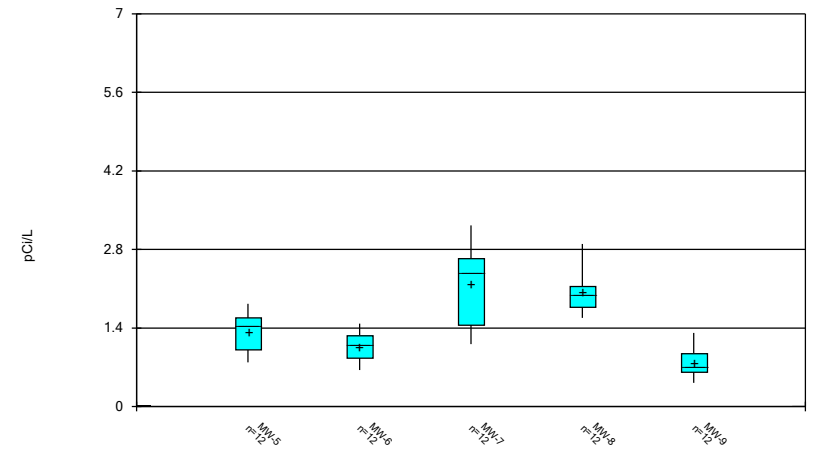
Constituent: Cobalt Analysis Run 5/14/2021 7:18 PM View: Constituent View
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



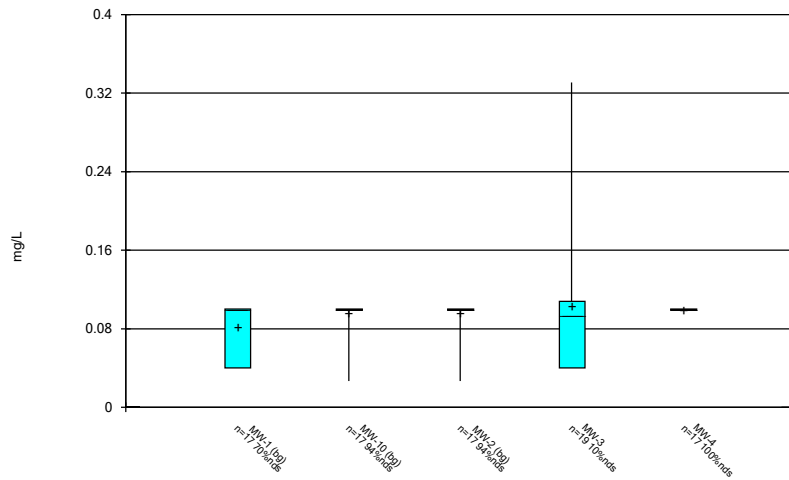
Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



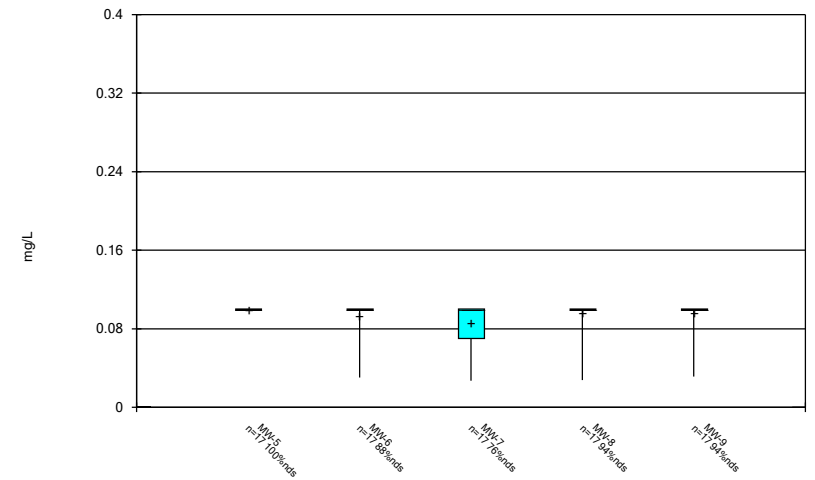
Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



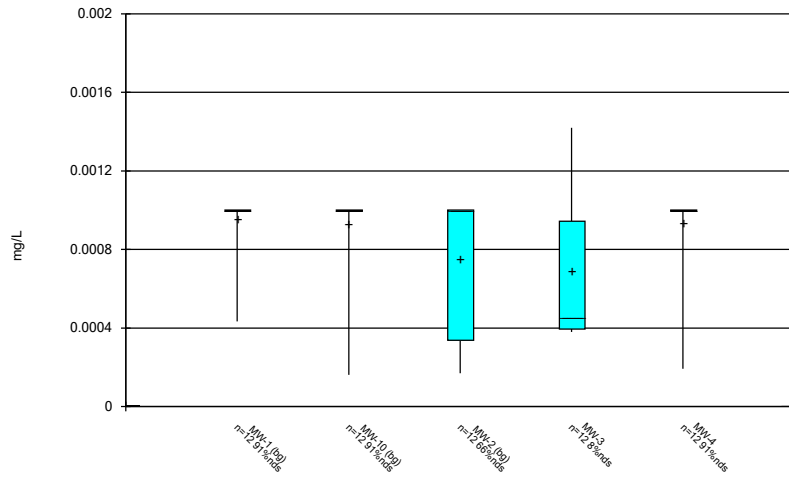
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



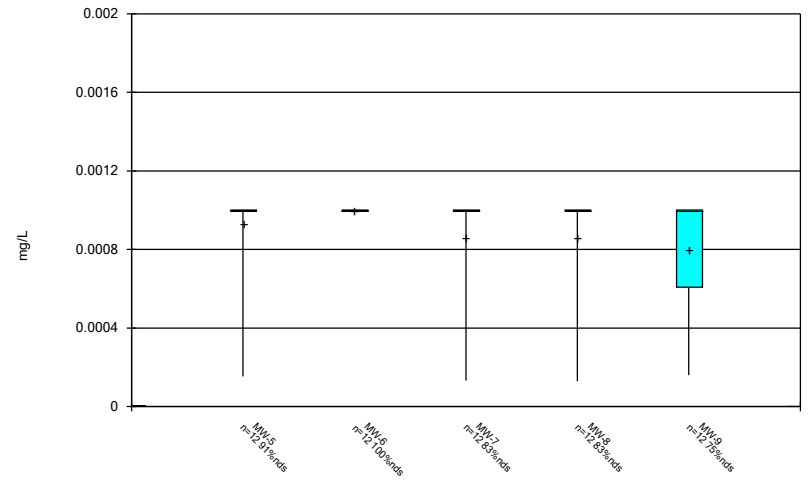
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Box & Whiskers Plot



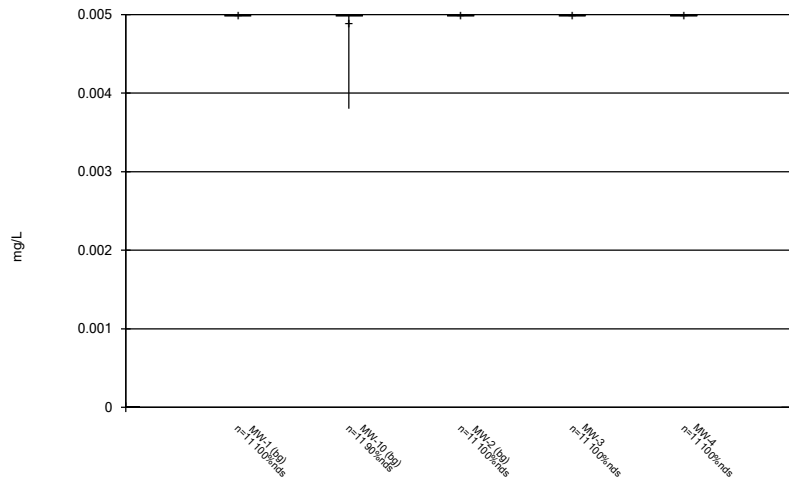
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



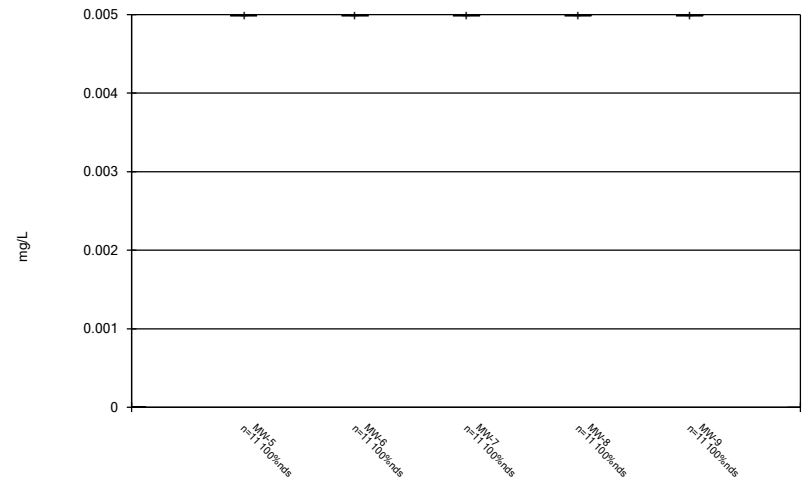
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Box & Whiskers Plot



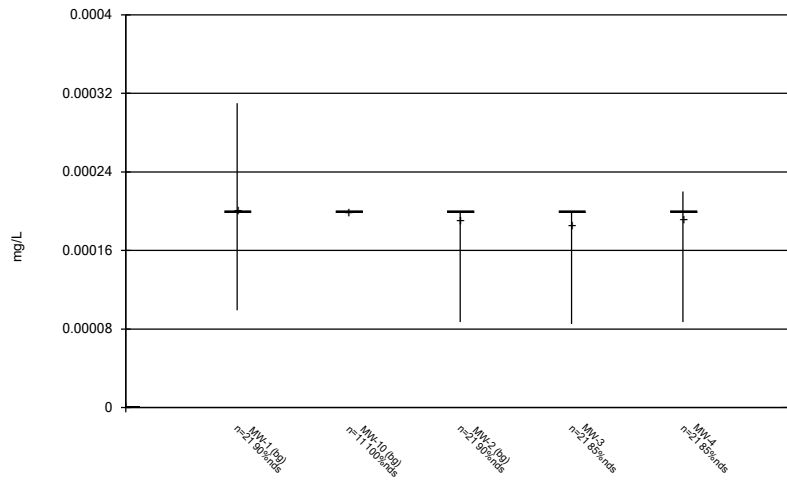
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



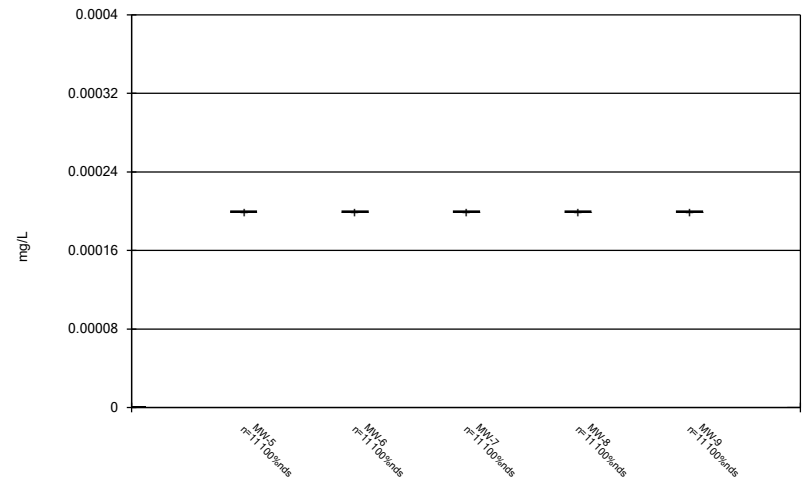
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



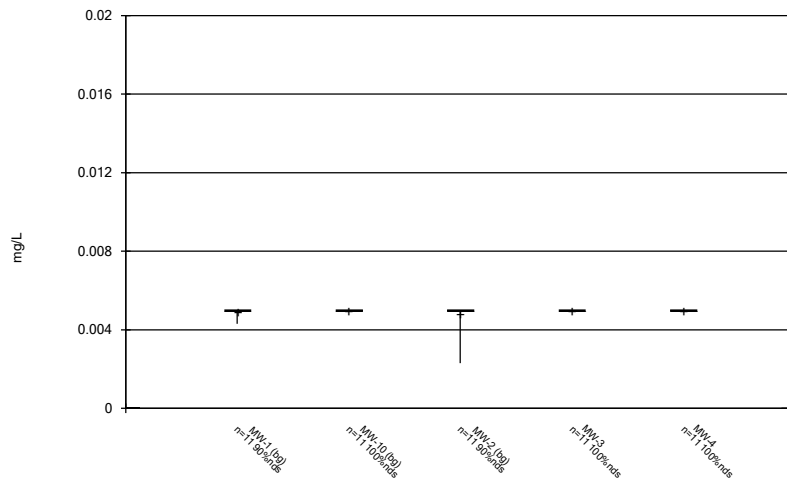
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



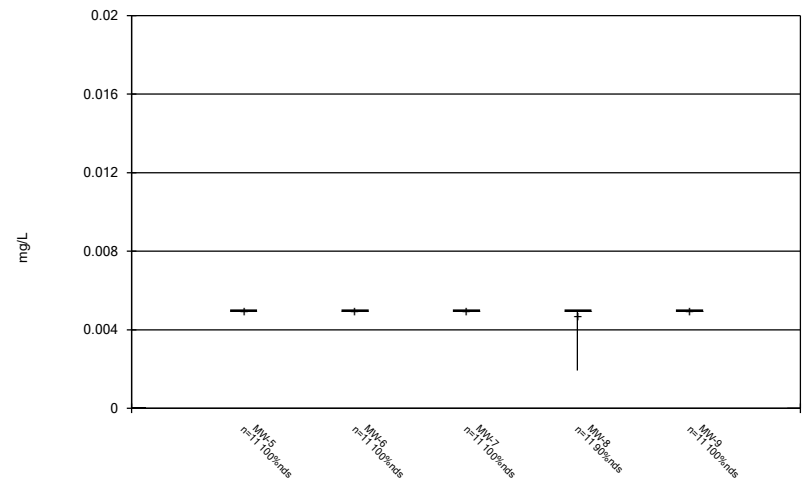
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Box & Whiskers Plot



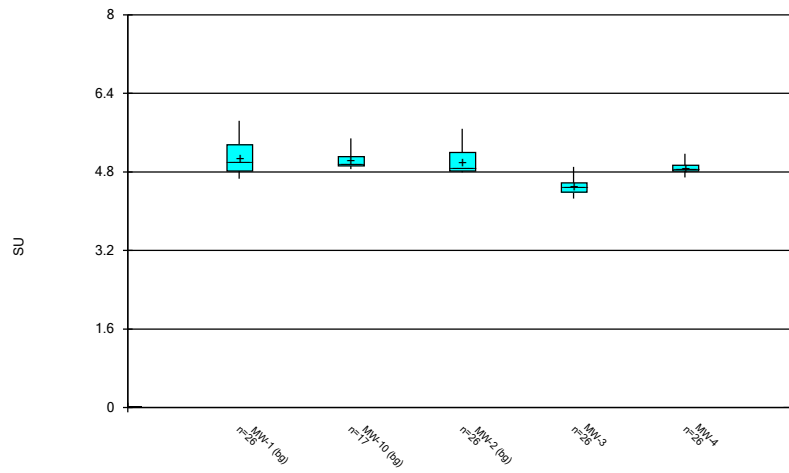
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



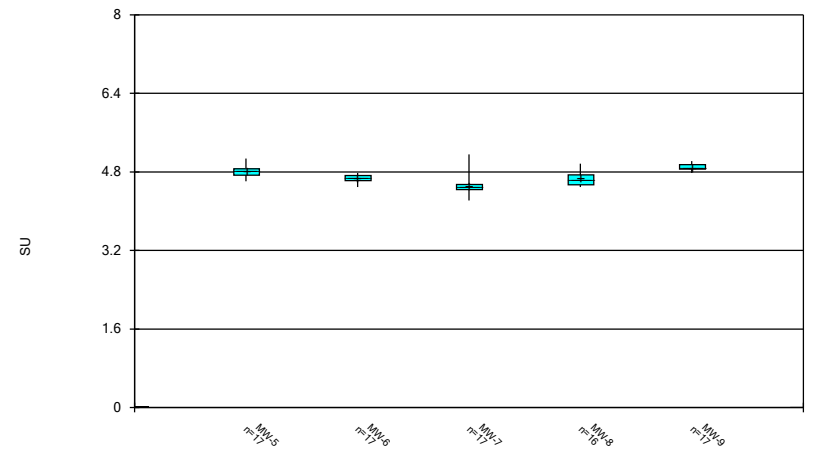
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



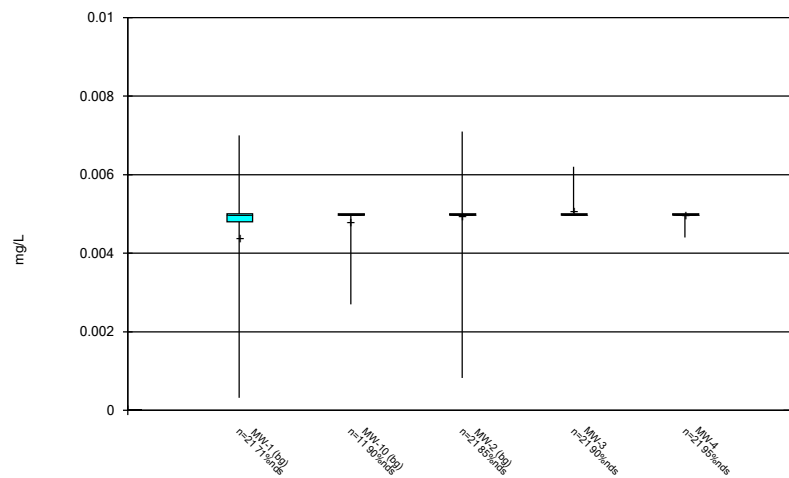
Constituent: pH Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



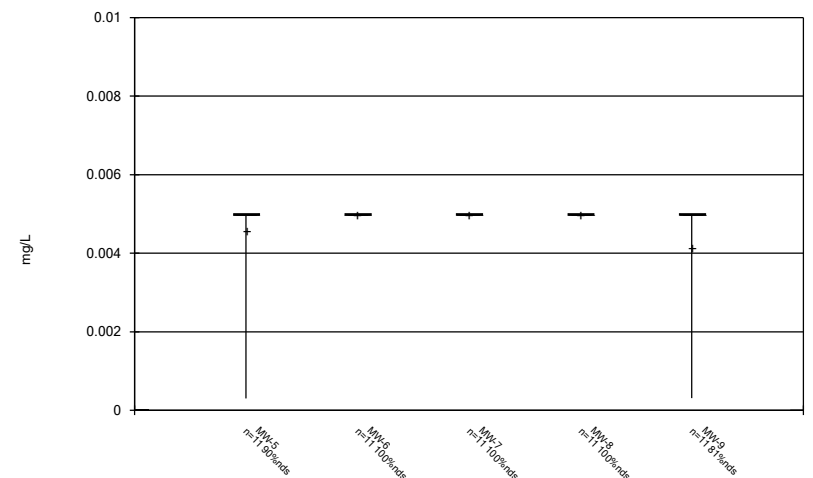
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



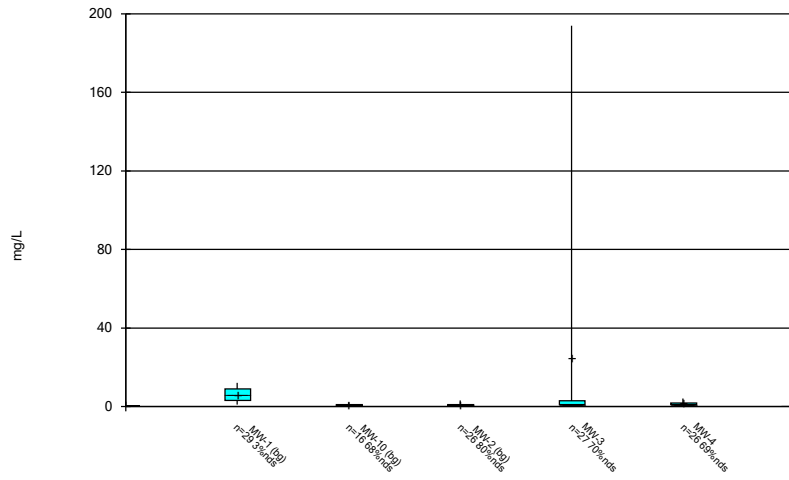
Constituent: Selenium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



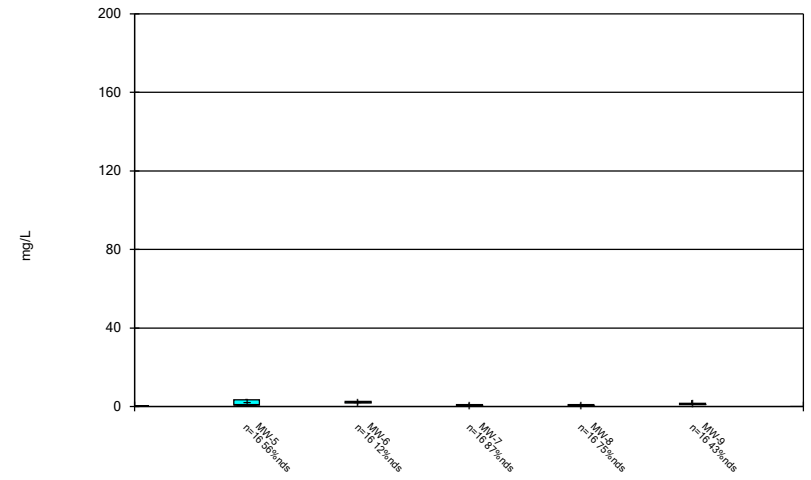
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



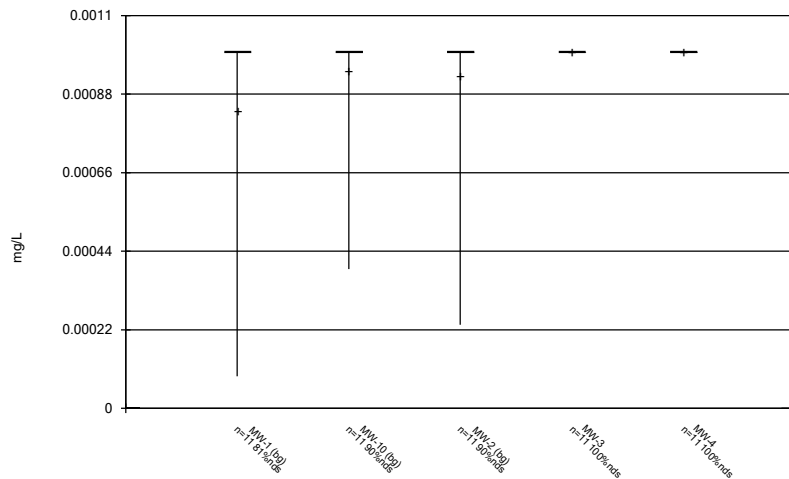
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



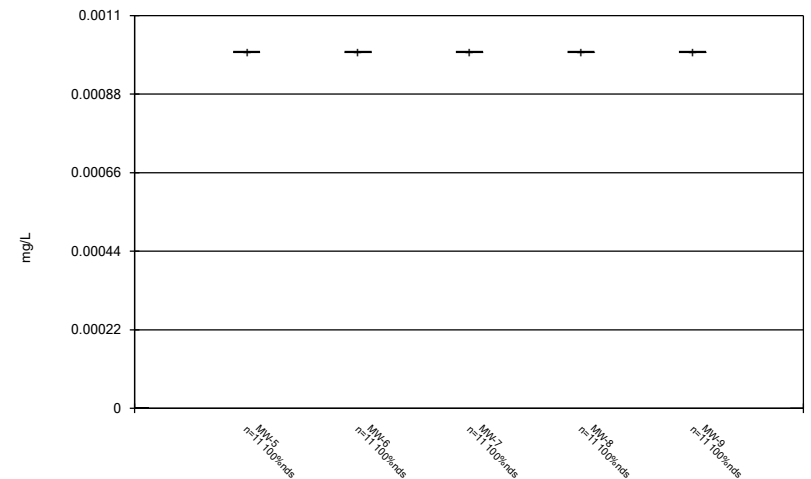
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



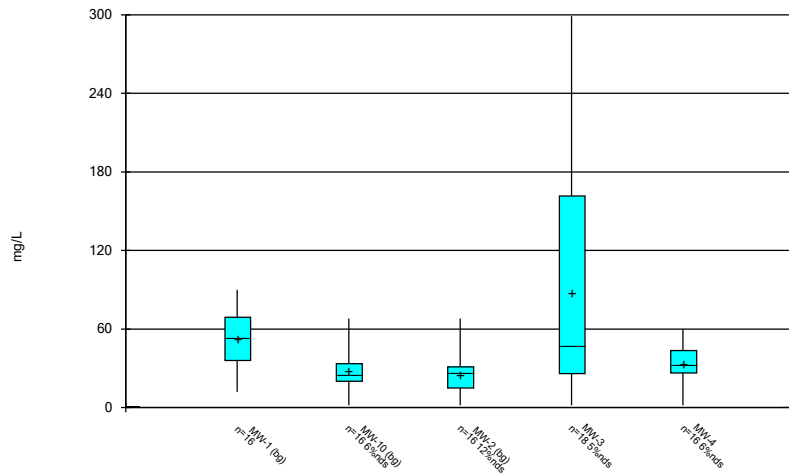
Constituent: Thallium Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



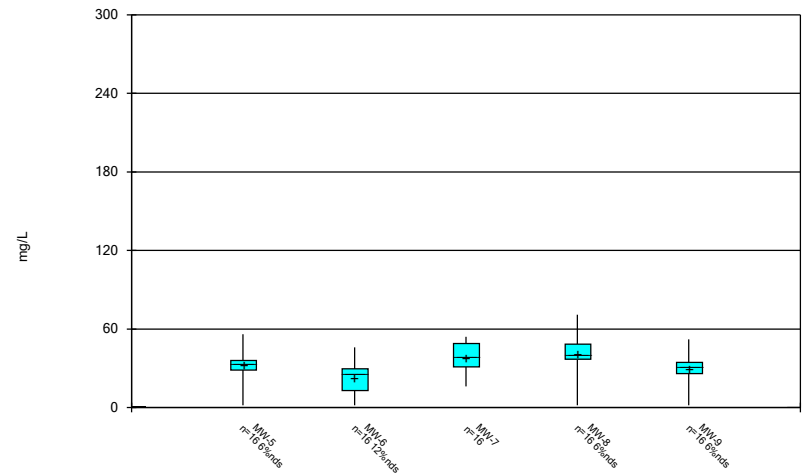
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:18 PM View: Constituent View
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

FIGURE C.

Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:24 PM

	MW-1 Boron (mg/L)	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)		6.64 (o)			
5/16/2016		2.9 (o)					
9/13/2016	0.055 (o)						
5/23/2017					7.14 (o)		
11/7/2018			25 (o)				
4/19/2019		6.3 (o)					19.5 (o)

FIGURE D.

Appendix III - Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq.N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-3	0.05	n/a	3/15/2021	0.15	Yes	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/15/2021	44.7	Yes	11	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	3/15/2021	1.26	Yes	13	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	3/15/2021	9.27	Yes	12	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	3/15/2021	116	Yes	21	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	3/15/2021	201	Yes	12	22.43	8.333	None	No	0.001075	Param Intra 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 PM

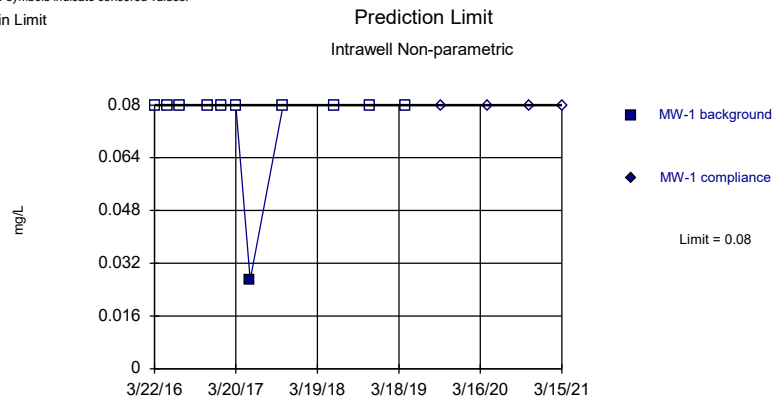
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	3/15/2021	0.08ND	No	11	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.05	n/a	3/15/2021	0.15	Yes	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	3/15/2021	0.08ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	8.486	n/a	3/15/2021	3.04	No	12	1.285	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.317	n/a	3/15/2021	0.935	No	10	0.2101	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.291	n/a	3/15/2021	1.11	No	13	0.1696	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/15/2021	44.7	Yes	11	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.392	n/a	3/15/2021	1.84	No	12	0.2561	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.514	n/a	3/15/2021	1.79	No	12	0.2167	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.619	n/a	3/15/2021	1.4	No	12	0.1679	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	3/15/2021	1.23	No	12	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.407	n/a	3/15/2021	2.26	No	12	0.4831	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	3/15/2021	1.26	Yes	13	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	13.99	n/a	3/15/2021	1.93	No	12	2.822	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	3/15/2021	6.57	No	12	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	3/15/2021	8.99	No	12	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.84	n/a	3/15/2021	8.83	No	11	0.6972	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	10.27	n/a	3/15/2021	6.9	No	12	1.044	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.23	n/a	3/15/2021	6.69	No	12	1.108	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	3/15/2021	7.83	No	12	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-7	19.33	n/a	3/15/2021	8.68	No	12	1.814	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	11.59	n/a	3/15/2021	8.19	No	12	1.026	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	3/15/2021	9.27	Yes	12	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	3/15/2021	0.0991J	No	12	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	3/15/2021	0.027J	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	3/15/2021	0.1ND	No	12	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.85	4.477	3/15/2021	4.81	No	21	0.3203	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.527	4.623	3/15/2021	4.93	No	12	0.1847	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	3/15/2021	4.83	No	21	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.806	4.214	3/15/2021	4.56	No	21	0.1382	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.135	4.628	3/15/2021	4.87	No	21	0.1183	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.513	3/15/2021	4.85	No	13	0.119	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.838	4.466	3/15/2021	4.69	No	12	0.0759	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	3/15/2021	4.52	No	12	n/a	0	n/a	n/a	0.02155	NP Intra (normality) 1 of 2
pH (SU)	MW-8	5.04	4.257	3/15/2021	4.78	No	11	0.1544	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.078	4.762	3/15/2021	4.88	No	12	0.06439	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-1	14.08	n/a	3/15/2021	9.05	No	9	2.013	11.11	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	3/15/2021	1ND	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	3/15/2021	1ND	No	22	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	3/15/2021	116	Yes	21	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	3/15/2021	1.94	No	22	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	3/15/2021	3.42	No	12	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	3.559	n/a	3/15/2021	1.8	No	12	0.4993	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1	n/a	3/15/2021	1ND	No	12	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	3/15/2021	1.2	No	12	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.344	n/a	3/15/2021	1.37	No	12	0.1559	50	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	118.8	n/a	3/15/2021	36	No	12	25.84	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	71.38	n/a	3/15/2021	22	No	12	17.7	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	66.3	n/a	3/15/2021	30	No	12	17.96	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	3/15/2021	201	Yes	12	22.43	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	73.02	n/a	3/15/2021	27	No	12	16.36	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	66.18	n/a	3/15/2021	32	No	12	13.83	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	48.08	n/a	3/15/2021	29	No	12	11.68	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	71.5	n/a	3/15/2021	32	No	12	13.14	0	None	No	0.001075	Param Intra 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:36 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>Std.Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids (mg/L)	MW-8	82.12	n/a	3/15/2021	39	No	12	18.03	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	60.73	n/a	3/15/2021	31	No	12	12.77	8.333	None	No	0.001075	Param Intra 1 of 2

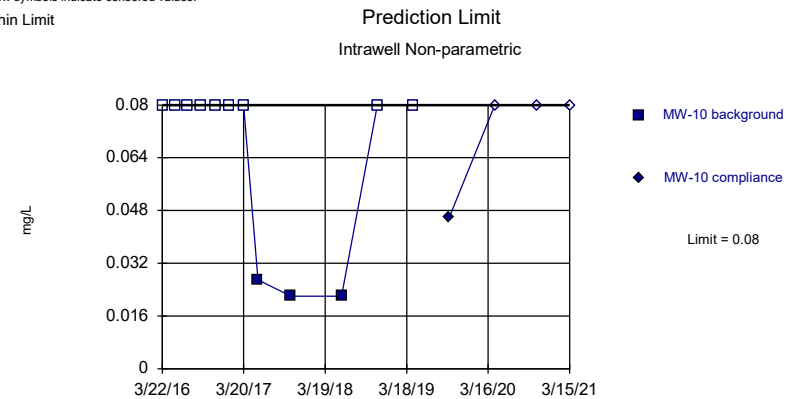
Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

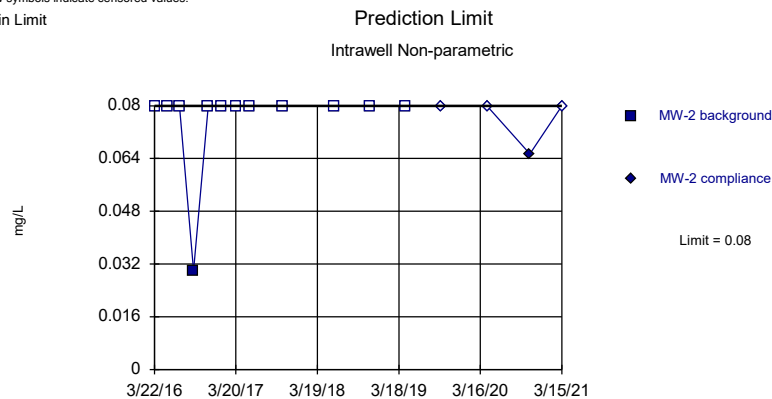
Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

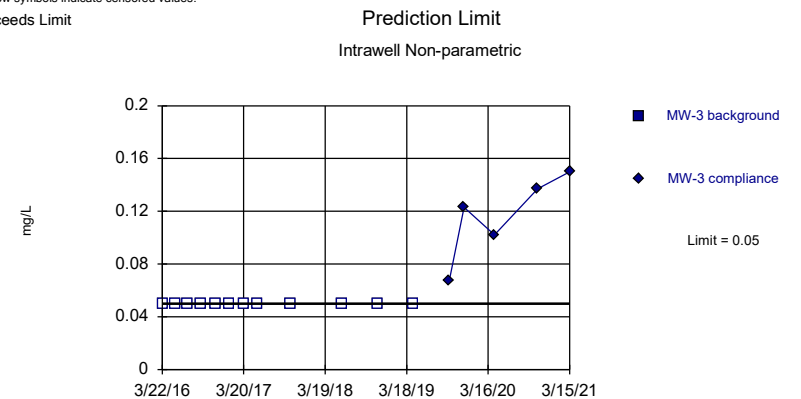
Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Exceeds Limit

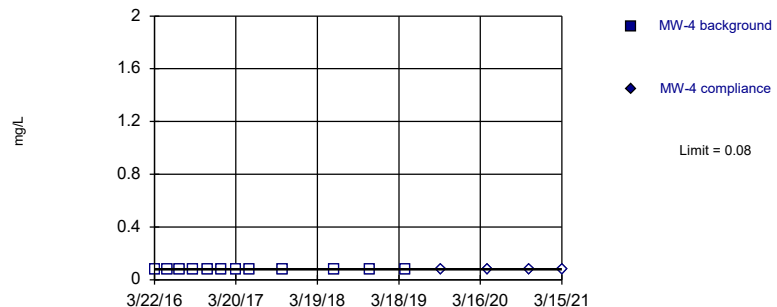


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

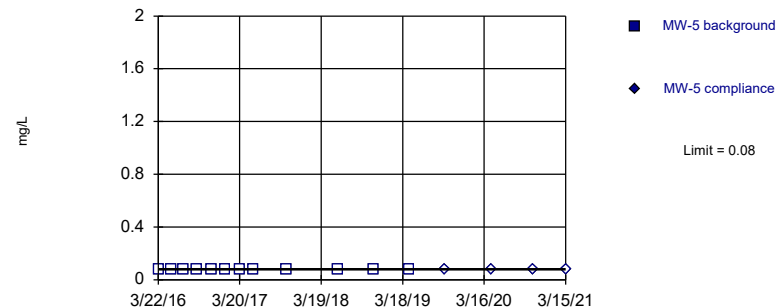


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

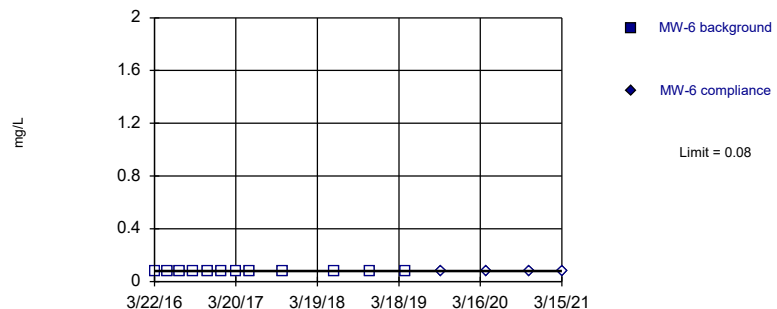


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

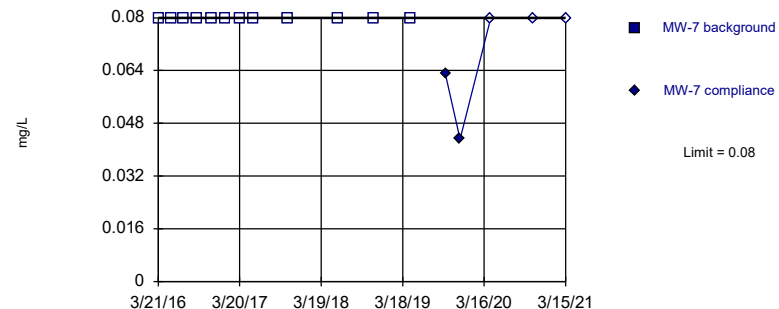


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

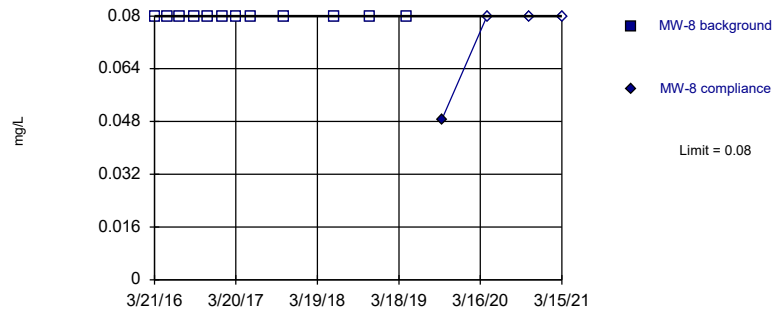


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

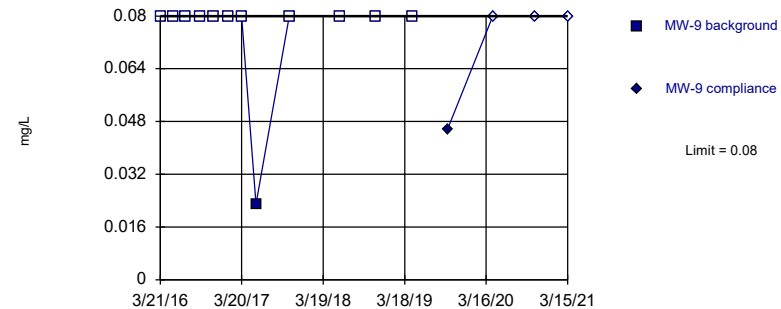


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

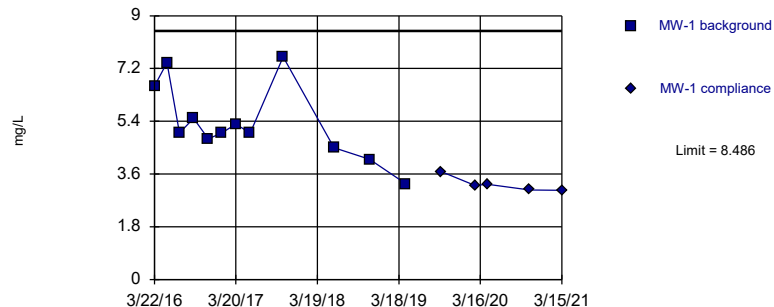


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

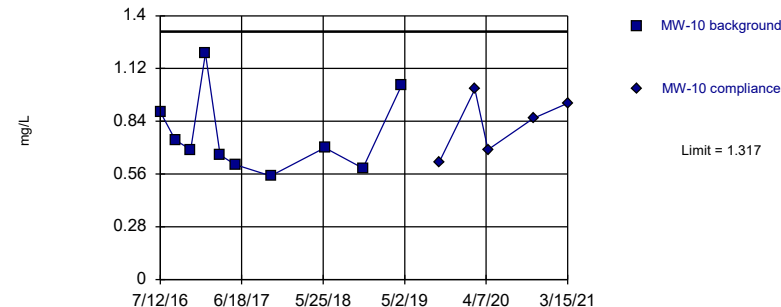


Background Data Summary: Mean=5.338, Std. Dev.=1.285, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

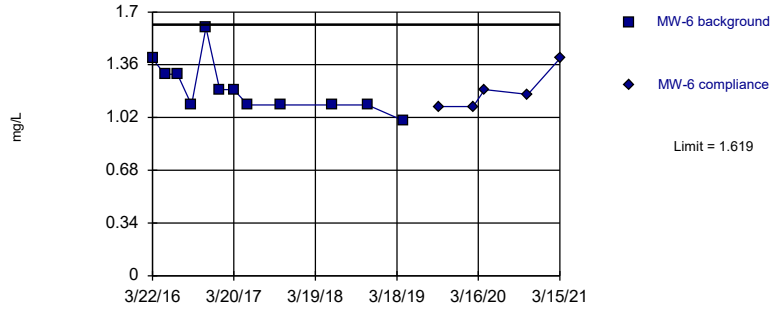


Background Data Summary: Mean=0.766, Std. Dev.=0.2101, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.781. Kappa = 2.621 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

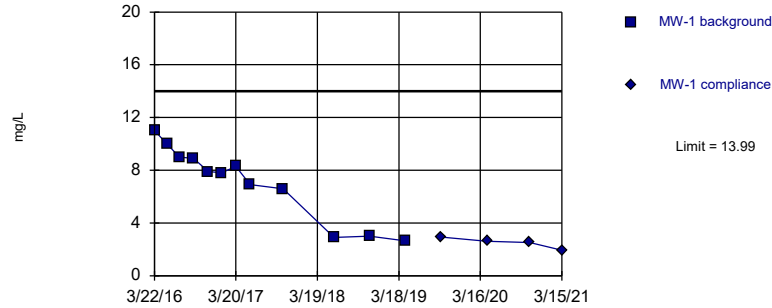
Within Limit

Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

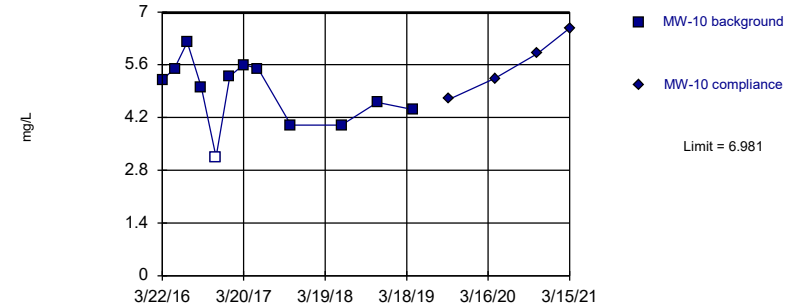


Background Data Summary: Mean=7.079, Std. Dev.=2.822, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

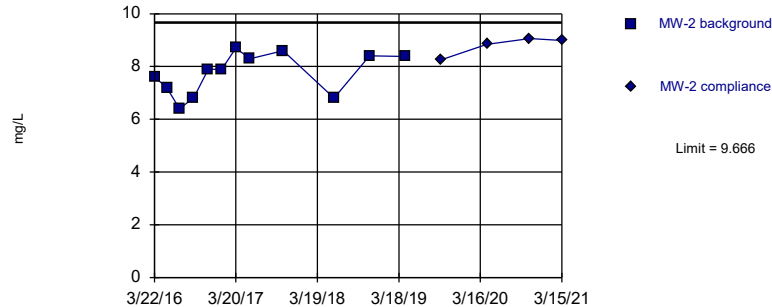


Background Data Summary: Mean=4.872, Std. Dev.=0.8614, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

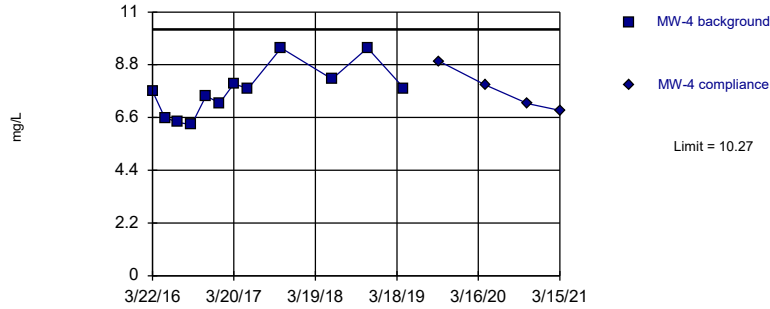
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit Intrawell Parametric

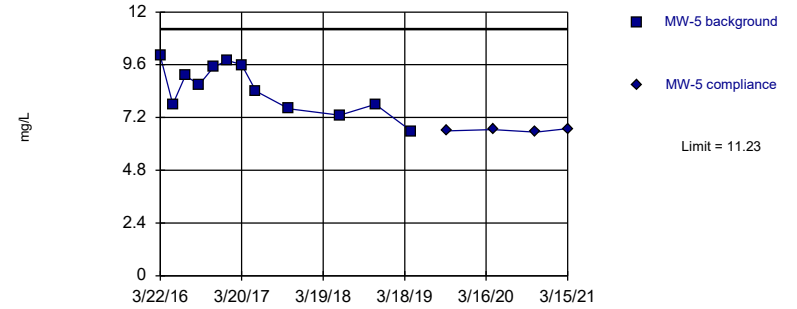


Background Data Summary: Mean=7.71, Std. Dev.=1.044, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9178, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric



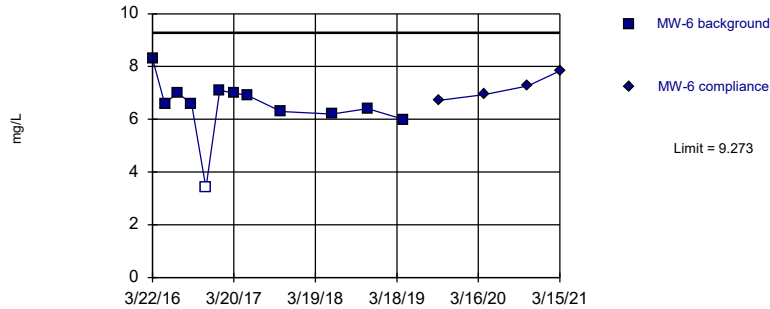
Background Data Summary: Mean=8.514, Std. Dev.=1.108, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric

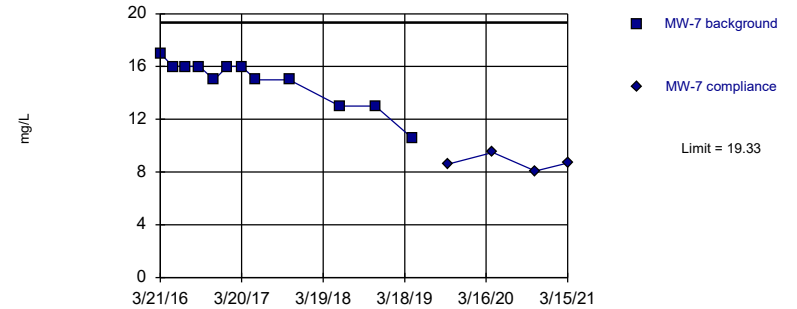


Background Data Summary: Mean=6.483, Std. Dev.=1.14, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8076, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

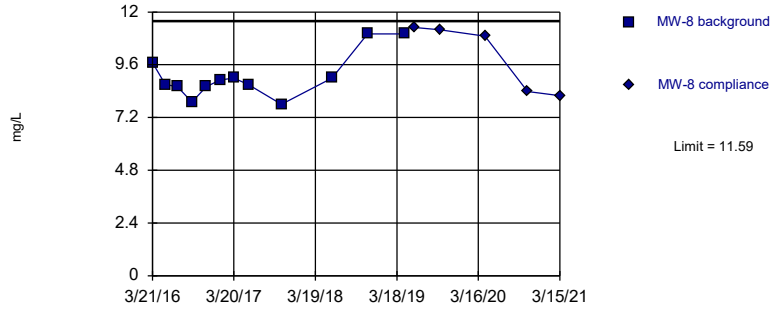


Background Data Summary: Mean=14.88, Std. Dev.=1.814, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8317, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

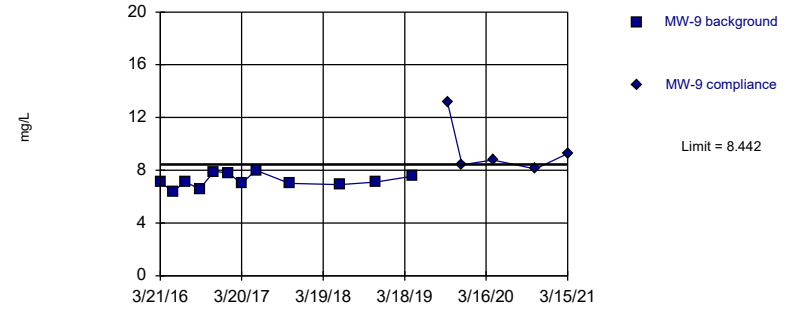


Background Data Summary: Mean=9.075, Std. Dev.=1.026, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8502, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit Intrawell Parametric



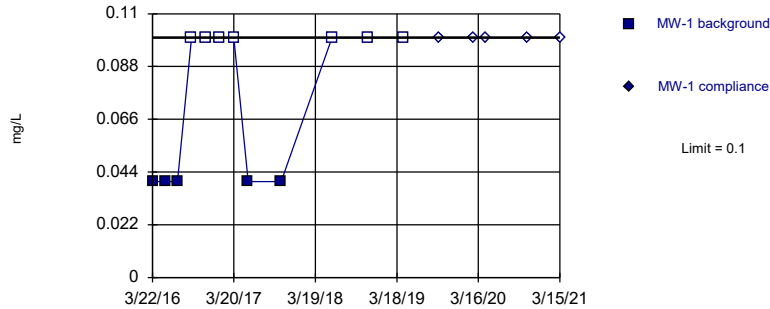
Background Data Summary: Mean=7.204, Std. Dev.=0.5056, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9285, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

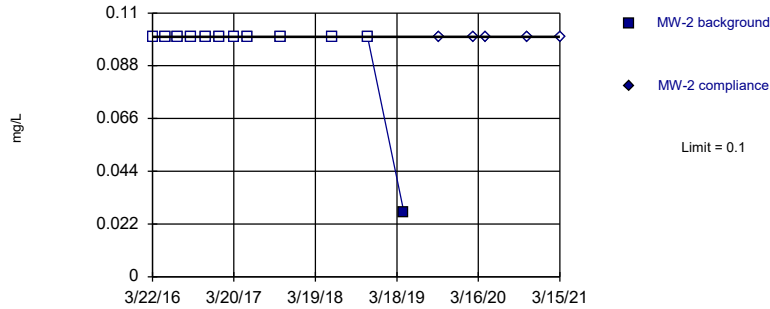
Within Limit

Prediction Limit Intrawell Non-parametric



Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

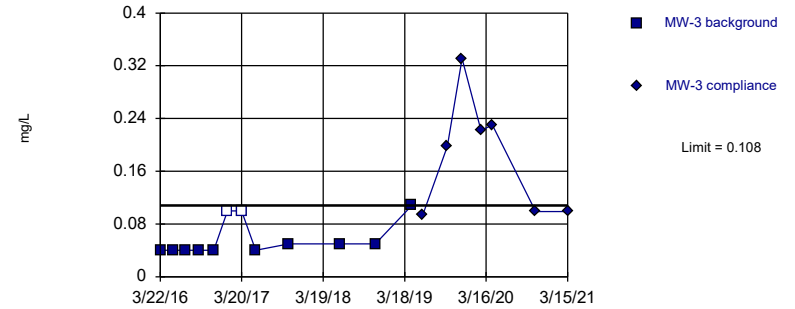


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

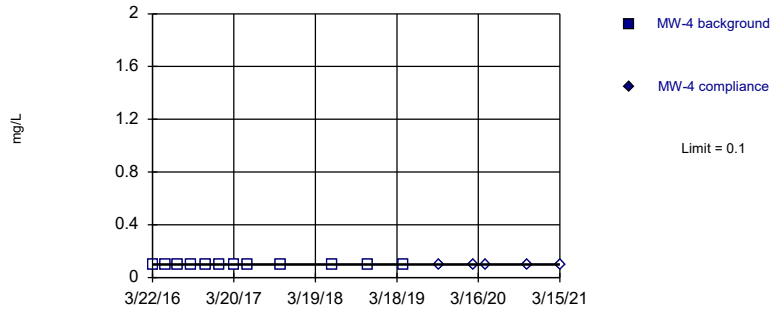


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 12 background values. 16.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

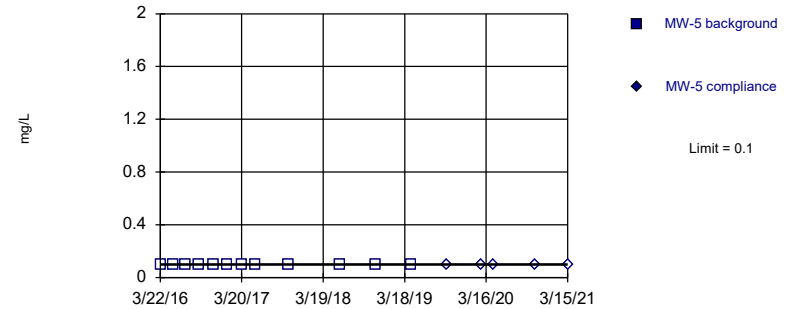


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

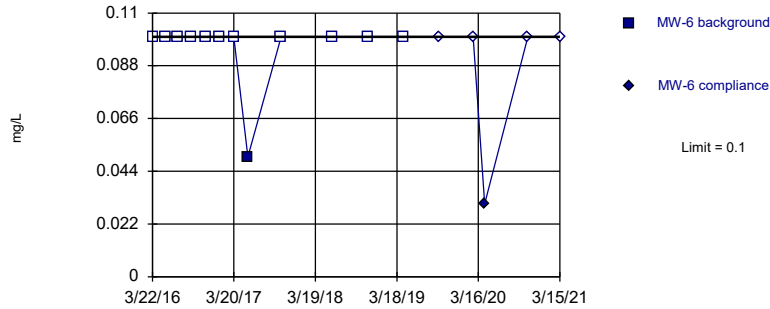


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

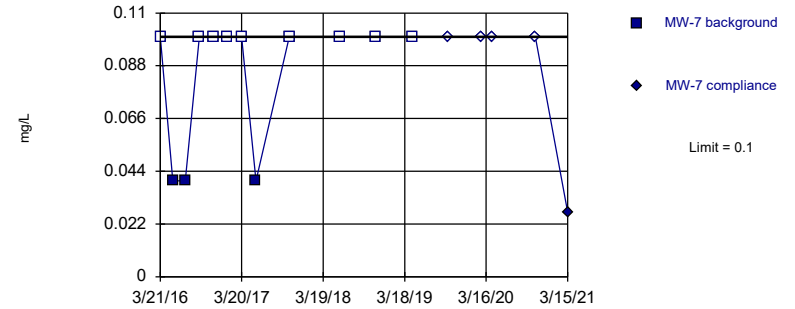


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

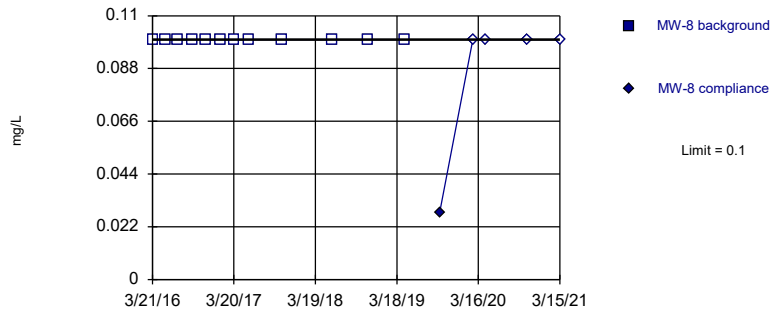


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

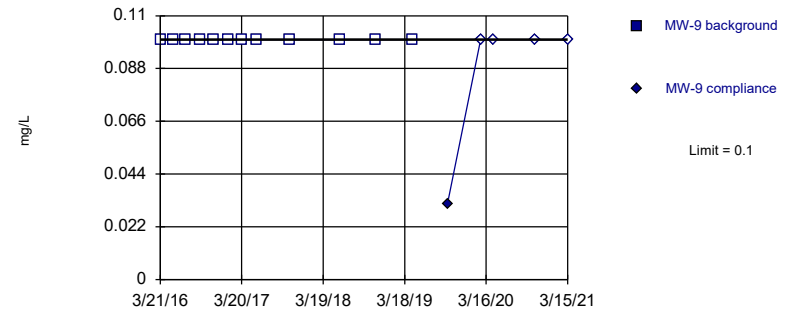


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Non-parametric

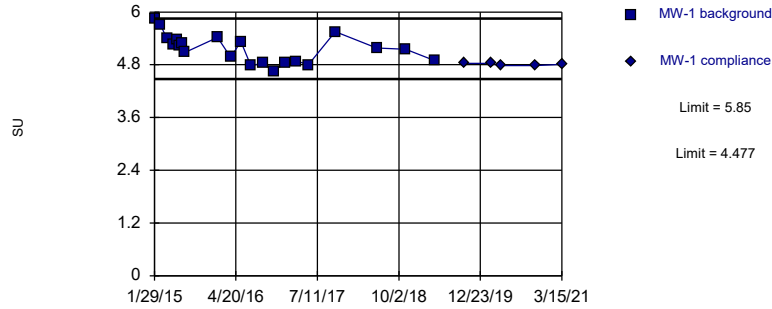


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 5/14/2021 7:27 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

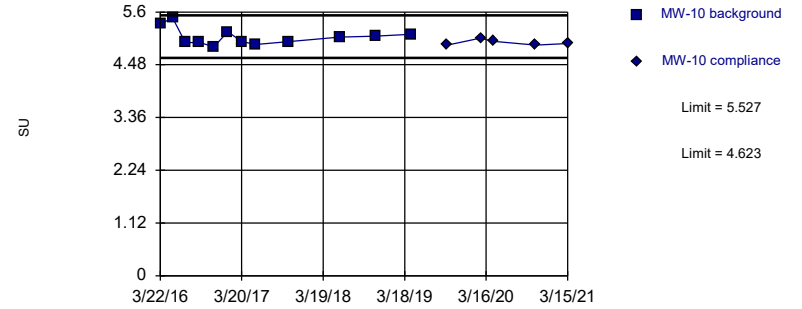


Background Data Summary: Mean=5.164, Std. Dev.=0.3203, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9637, critical = 0.873. Kappa = 2.143 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

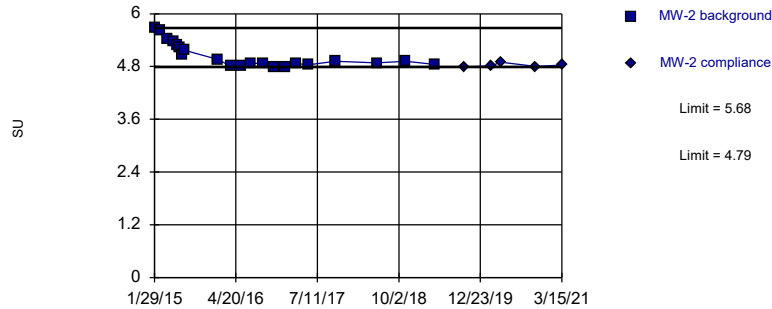


Background Data Summary: Mean=5.075, Std. Dev.=0.1847, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8934, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

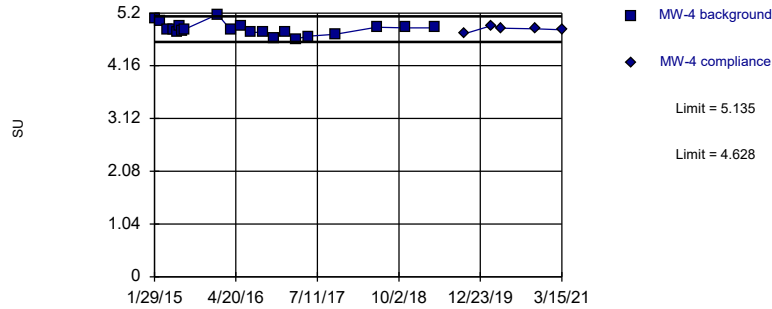
Within Limits

Prediction Limit
Intrawell Non-parametric



Within Limits

Prediction Limit
Intrawell Parametric

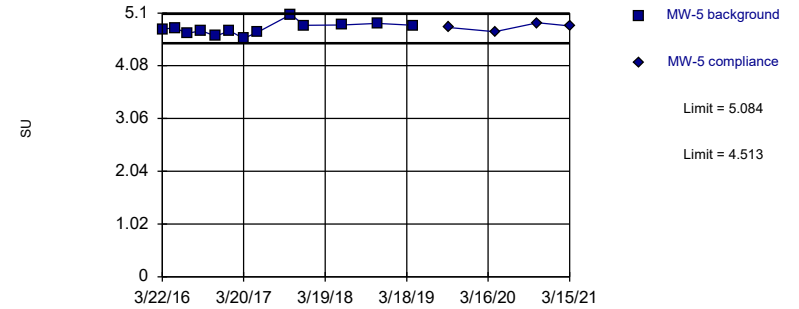


Background Data Summary: Mean=4.881, Std. Dev.=0.1183, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9469, critical = 0.873. Kappa = 2.143 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

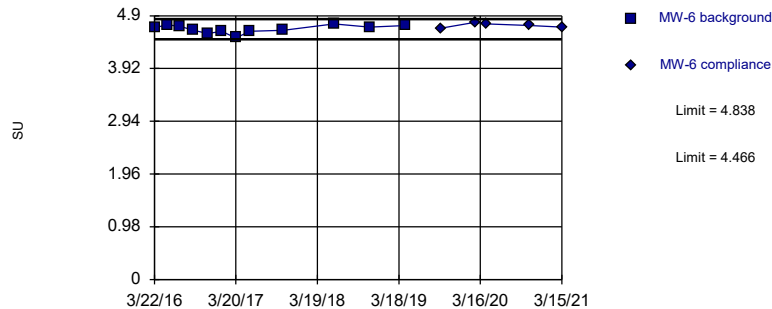


Background Data Summary: Mean=4.798, Std. Dev.=0.119, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.814. Kappa = 2.402 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

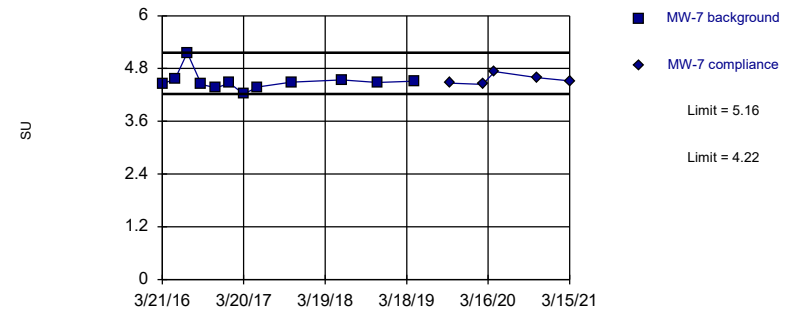


Background Data Summary: Mean=4.652, Std. Dev.=0.0759, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9417, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:27 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

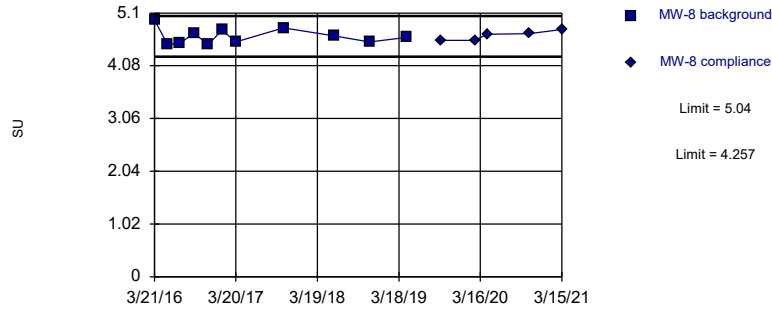


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 12 background values. Well-constituent pair annual alpha = 0.04286. Individual comparison alpha = 0.02155 (1 of 2).

Constituent: pH Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit Intrawell Parametric

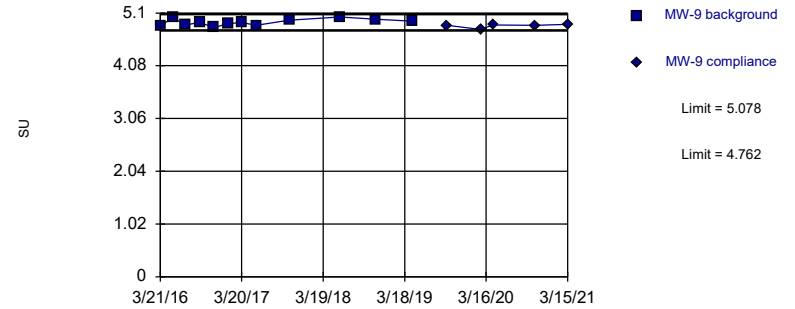


Background Data Summary: Mean=4.648, Std. Dev.=0.1544, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit Intrawell Parametric



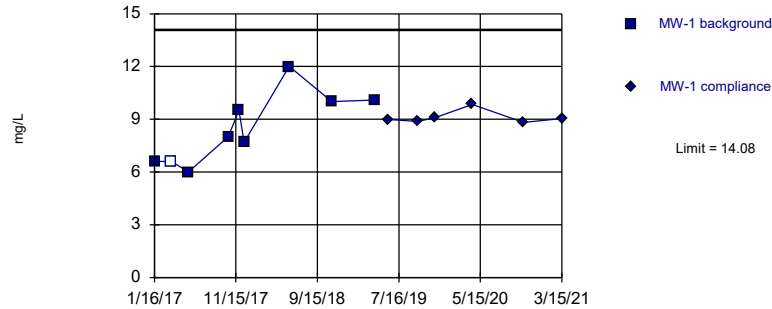
Background Data Summary: Mean=4.92, Std. Dev.=0.06439, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9648, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric



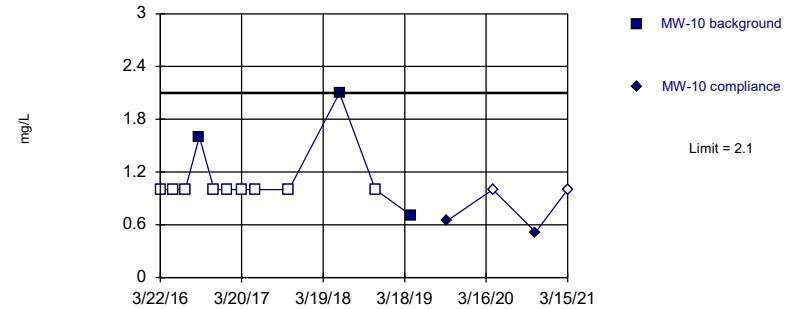
Background Data Summary: Mean=8.5, Std. Dev.=2.013, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.764. Kappa = 2.772 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



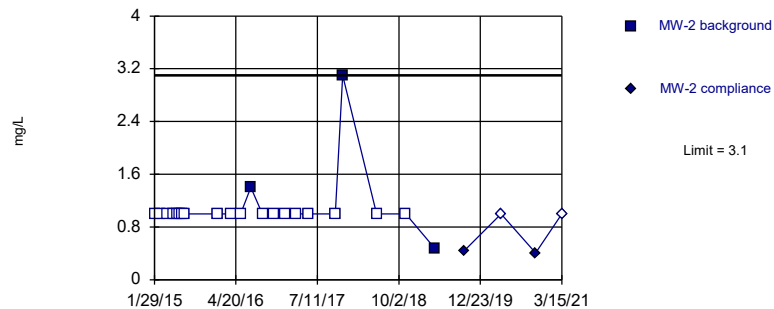
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



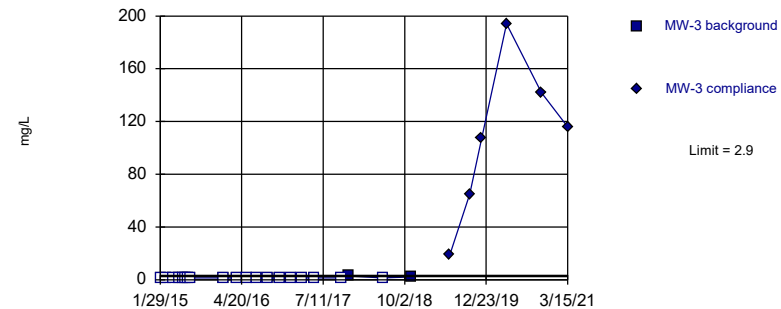
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit
Intrawell Non-parametric



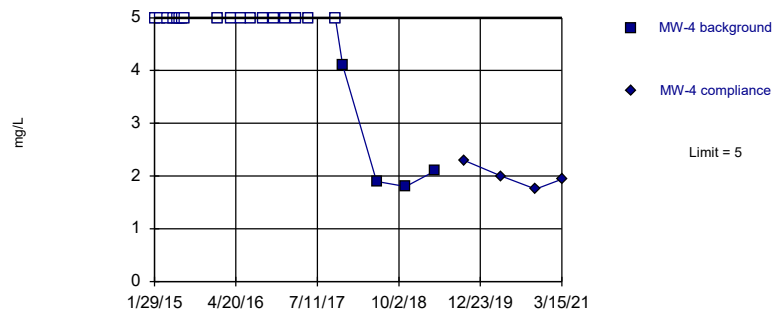
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



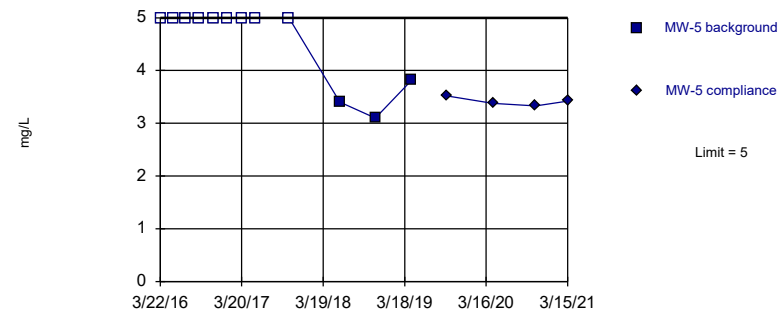
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.

Within Limit

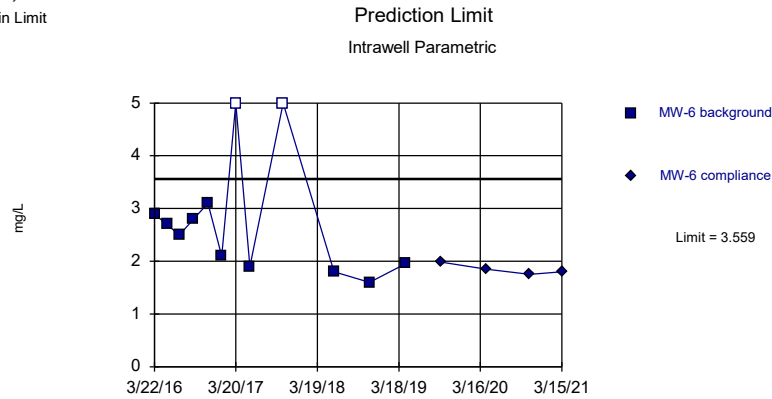
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

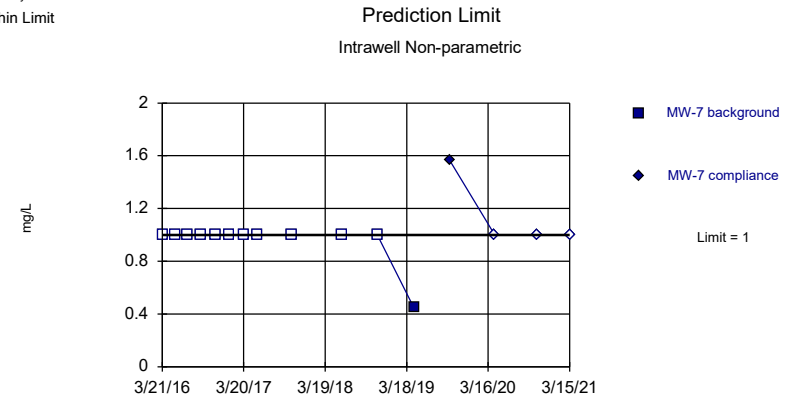
Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit



Background Data Summary (after Kaplan-Meier Adjustment): Mean=2.336, Std. Dev.=0.4993, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.82, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

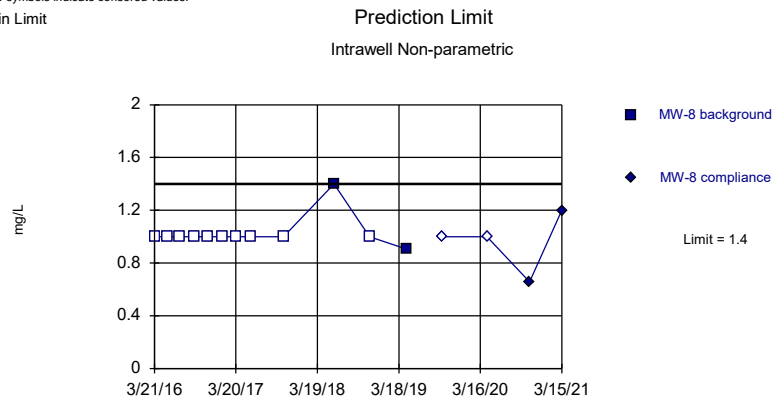
Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

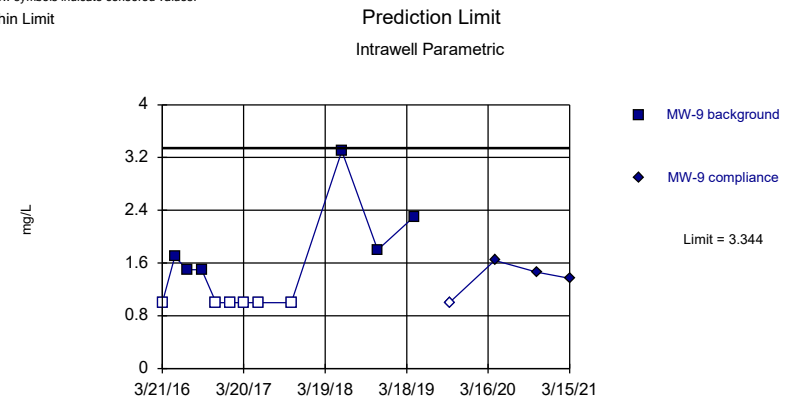
Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit

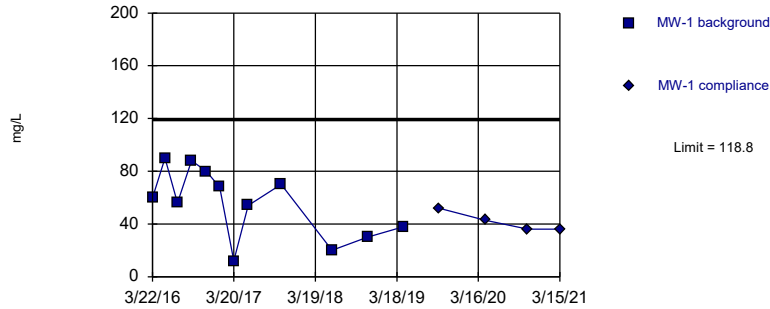


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.114, Std. Dev.=0.1559, n=12, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8057, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric



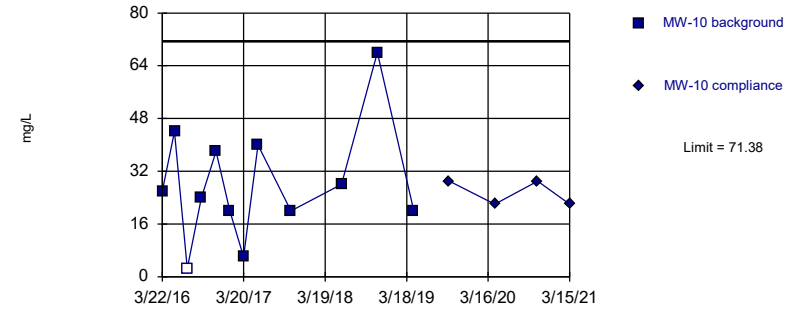
Background Data Summary: Mean=55.5, Std. Dev.=25.84, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9501, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



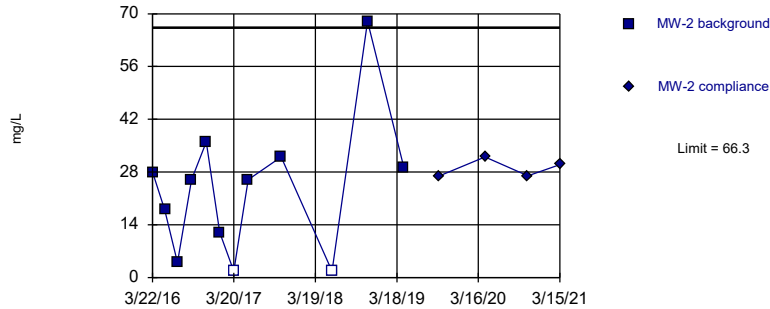
Background Data Summary: Mean=28.04, Std. Dev.=17.7, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

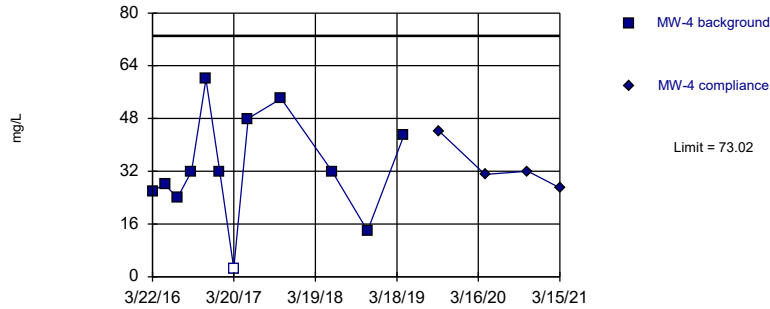
Within Limit

Prediction Limit
Intrawell Parametric



Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit
Intrawell Parametric

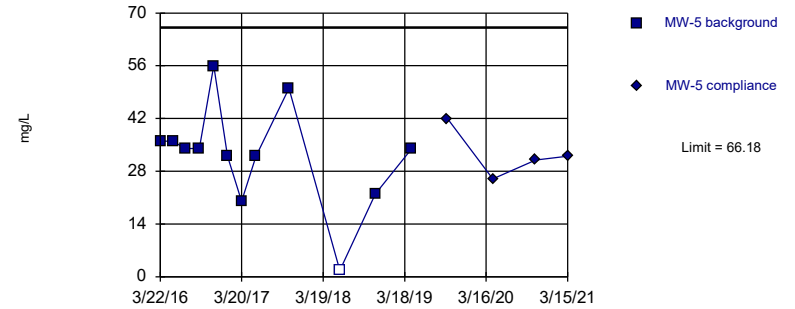


Background Data Summary: Mean=32.96, Std. Dev.=16.36, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9714, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit
Intrawell Parametric

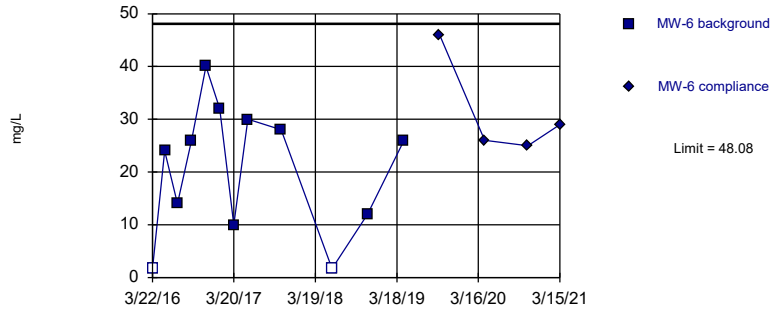


Background Data Summary: Mean=32.31, Std. Dev.=13.83, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9118, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

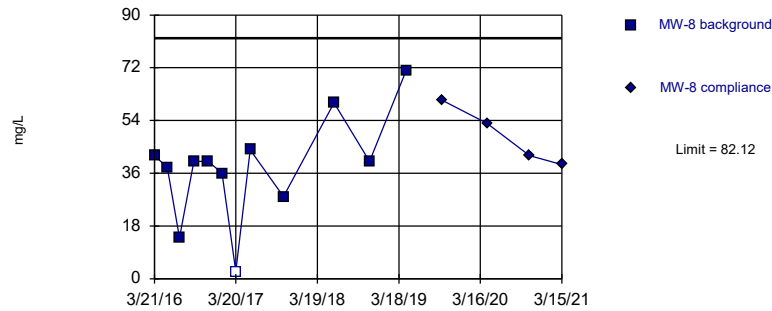
Sanitas™ v.9.6.28 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit
Intrawell Parametric



Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Parametric

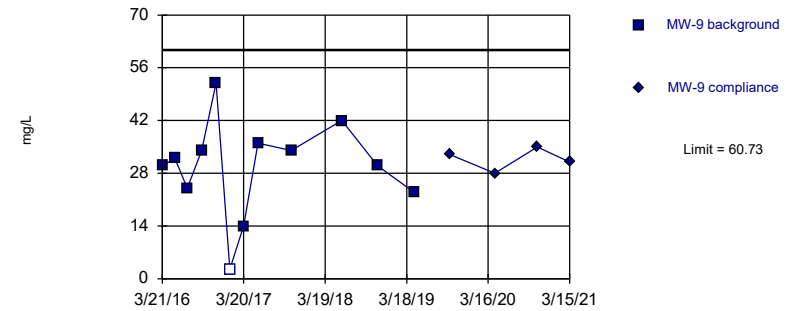


Background Data Summary: Mean=37.96, Std. Dev.=18.03, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9304, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sanitas™ v.9.6.28 . UG
 Hollow symbols indicate censored values.
 Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=29.46, Std. Dev.=12.77, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9591, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:28 PM View: Appendix III
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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 (o)	
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:36 PM View: Appendix III

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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:36 PM View: Appendix III
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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III
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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/14/2021 7:37 PM View: Appendix III

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

FIGURE E.

Appendix III Trend Test - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 8:16 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>
Boron (mg/L)	MW-3	0.005152	68	63	Yes	17	70.59	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-1 (bg)	-0.6007	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.06621	72	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	7.136	109	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-9	0.04393	79	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.893	-110	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.3166	68	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3778	68	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.483	304	139	Yes	29	3.448	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0	170	124	Yes	27	70.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-3	37.22	92	68	Yes	18	5.556	n/a	n/a	0.01	NP

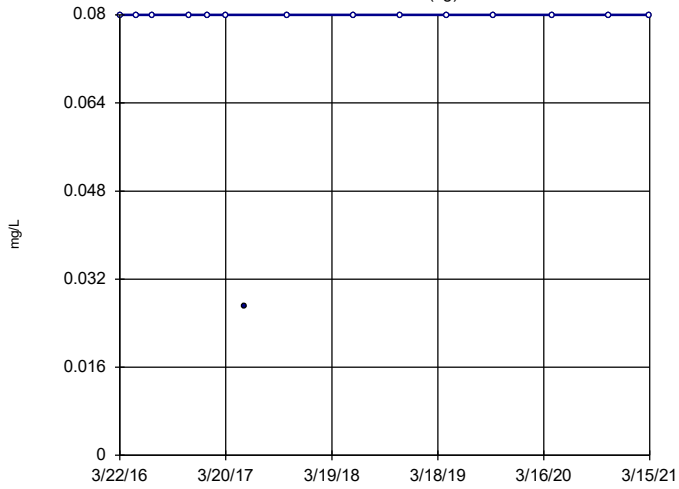
Appendix III Trend Test - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:41 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>
Boron (mg/L)	MW-1 (bg)	0	2	53	No	15	93.33	n/a	n/a	0.01	NP
Boron (mg/L)	MW-10 (bg)	0	-11	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-2 (bg)	0	-3	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-3	0.005152	68	63	Yes	17	70.59	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-1 (bg)	-0.6007	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.006404	2	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.06621	72	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	7.136	109	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-9	0.04393	79	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.893	-110	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-10 (bg)	0.08673	10	58	No	16	6.25	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.3166	68	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3778	68	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.483	304	139	Yes	29	3.448	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-10 (bg)	0	-31	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-47	-118	No	26	80.77	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0	170	124	Yes	27	70.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-9.55	-53	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.2086	5	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.364	26	58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-3	37.22	92	68	Yes	18	5.556	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-1 (bg)

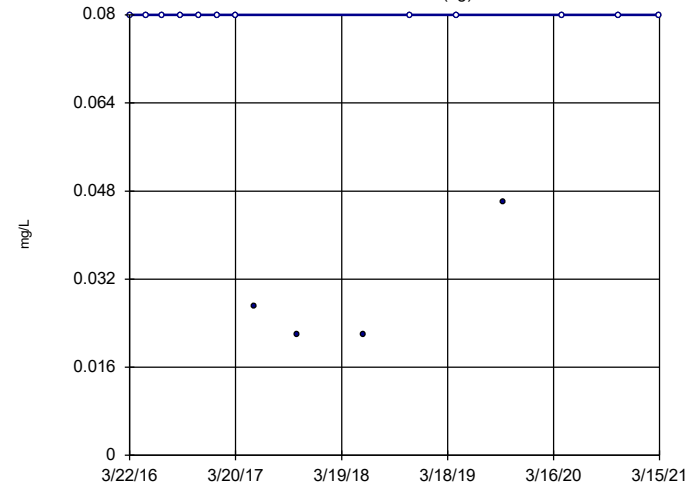


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 2
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 5/14/2021 7:38 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-10 (bg)

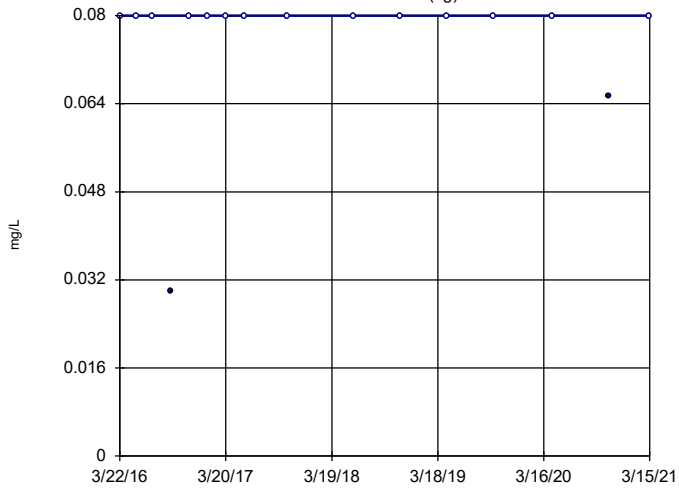


n = 16
Slope = 0
units per year.
Mann-Kendall
statistic = -11
critical = -58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 5/14/2021 7:38 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-2 (bg)

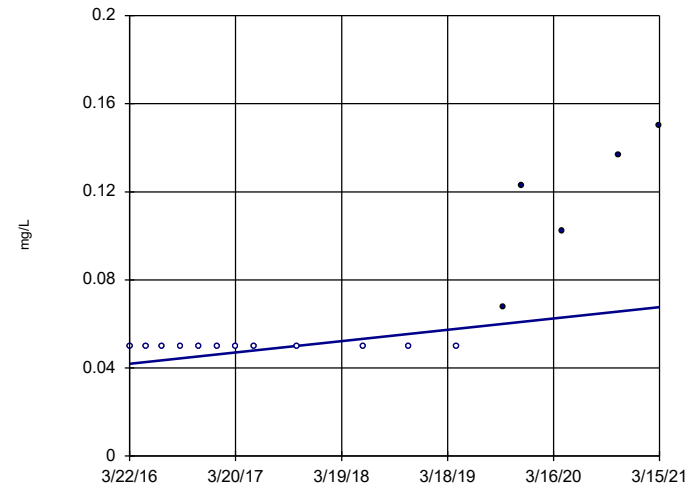


n = 16
Slope = 0
units per year.
Mann-Kendall
statistic = -3
critical = -58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

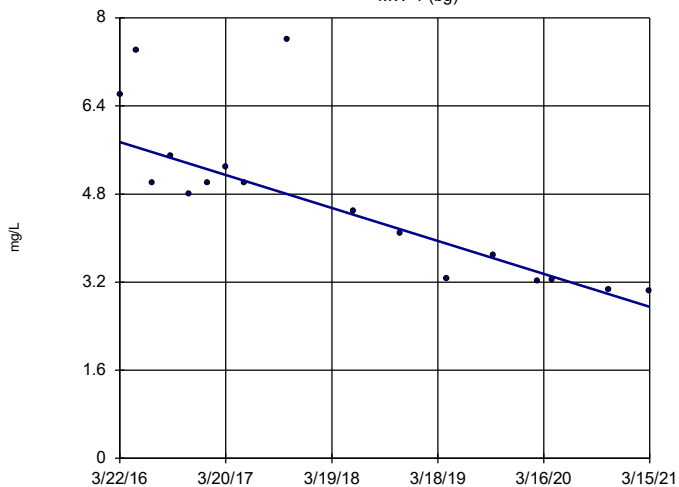
Sen's Slope Estimator

MW-3



Sen's Slope Estimator

MW-1 (bg)

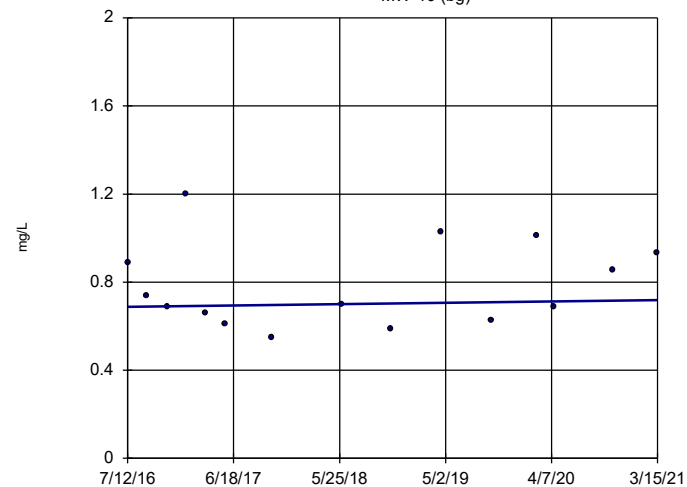


n = 17
 Slope = -0.6007
 units per year.
 Mann-Kendall
 statistic = -99
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-10 (bg)

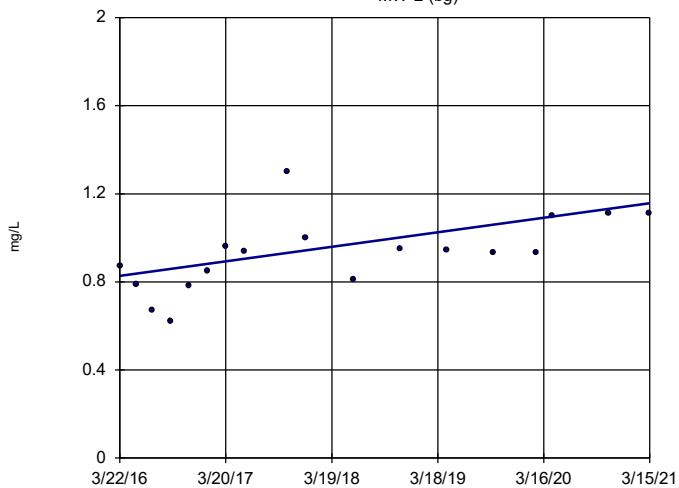


n = 15
 Slope = 0.006404
 units per year.
 Mann-Kendall
 statistic = 2
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-2 (bg)

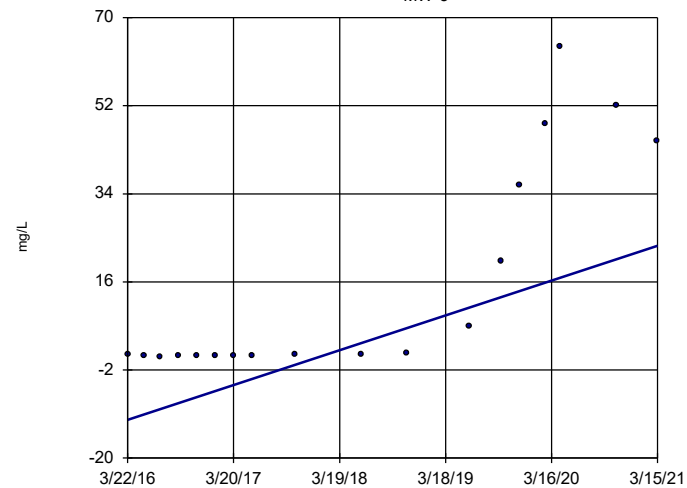


n = 18
 Slope = 0.06621
 units per year.
 Mann-Kendall
 statistic = 72
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-3

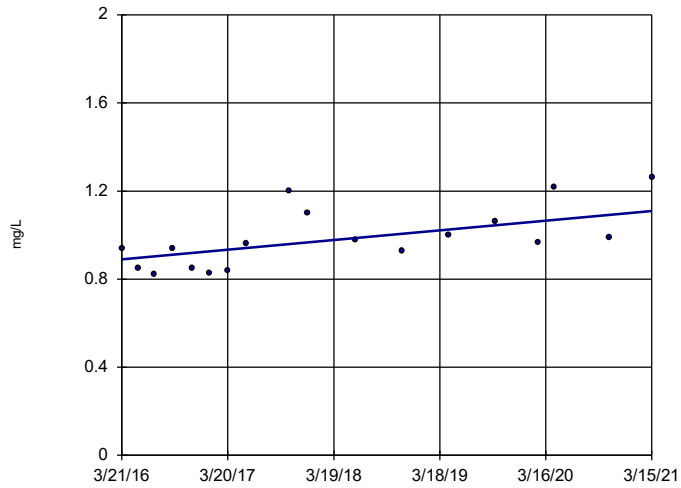


n = 18
 Slope = 7.136
 units per year.
 Mann-Kendall
 statistic = 109
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

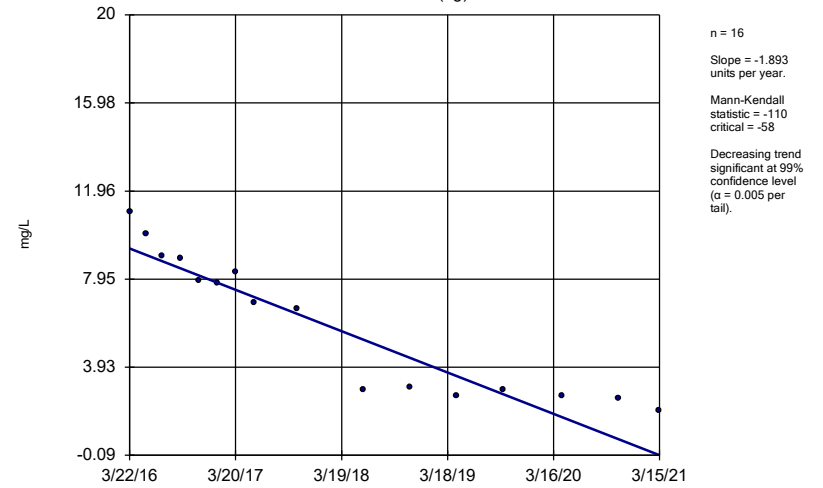
MW-9



Constituent: Calcium Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

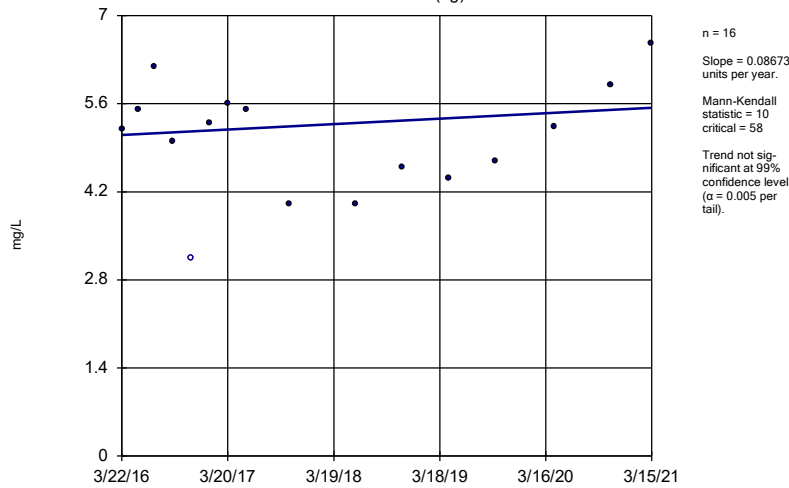
MW-1 (bg)



Constituent: Chloride Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

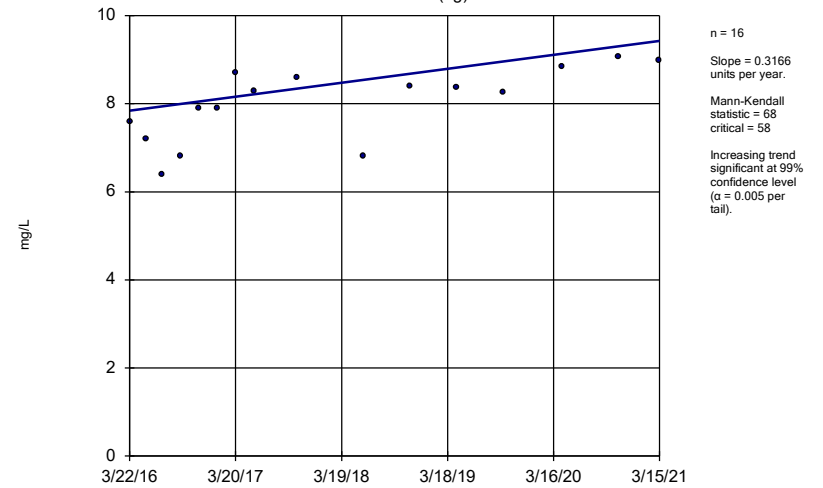
MW-10 (bg)



Constituent: Chloride Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

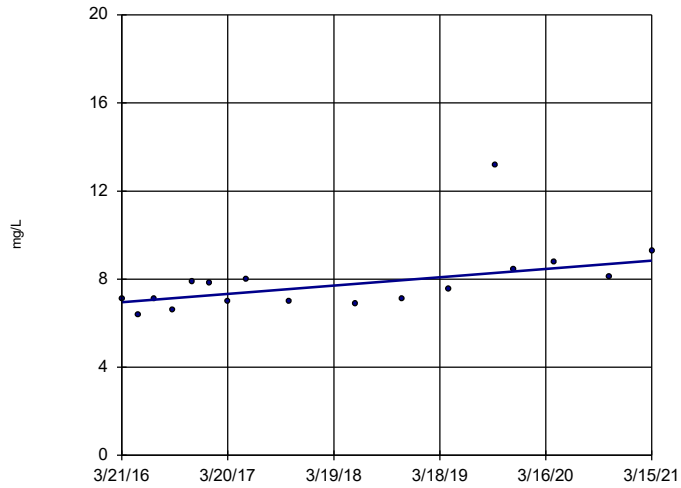
MW-2 (bg)



Constituent: Chloride Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

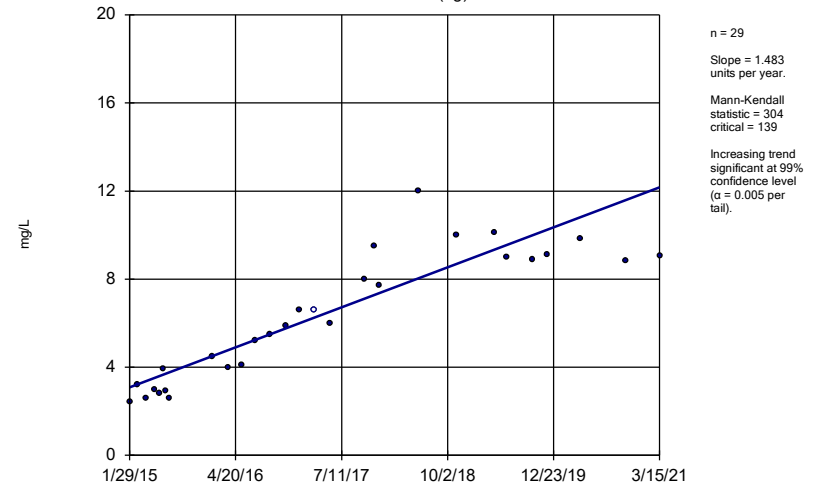
MW-9



Constituent: Chloride Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

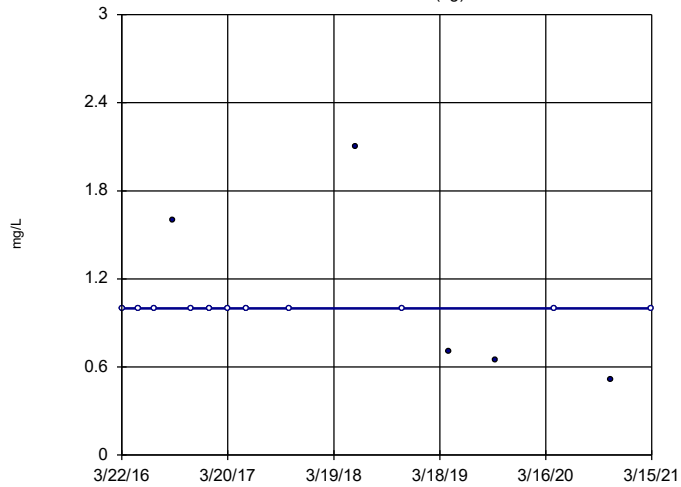
MW-1 (bg)



Constituent: Sulfate Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

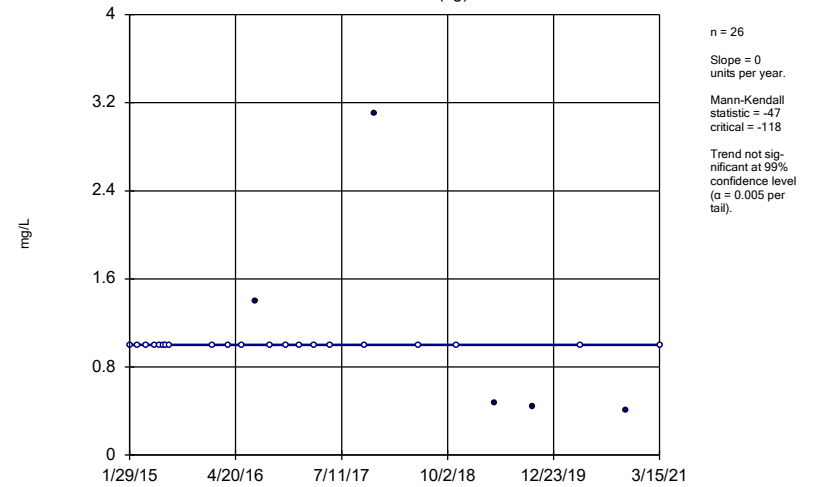
MW-10 (bg)



Constituent: Sulfate Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

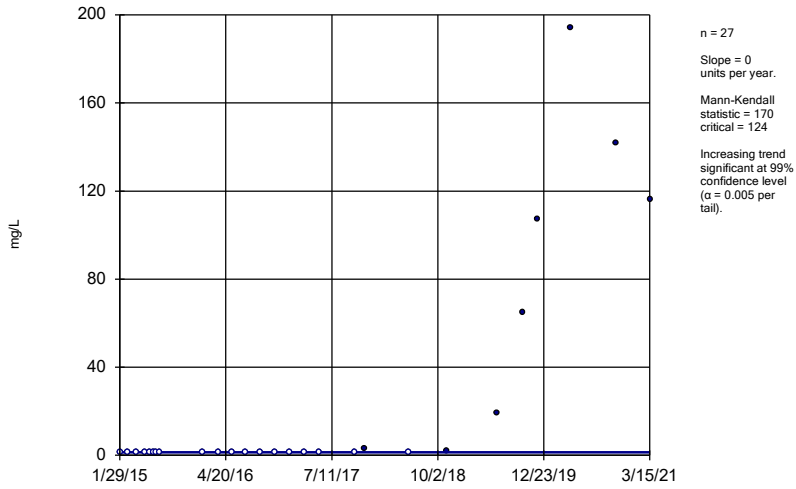
MW-2 (bg)



Constituent: Sulfate Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

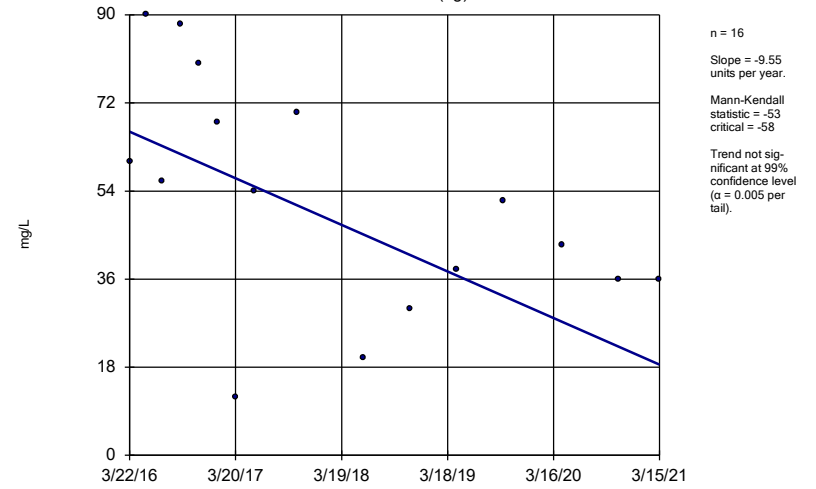
MW-3



Constituent: Sulfate Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

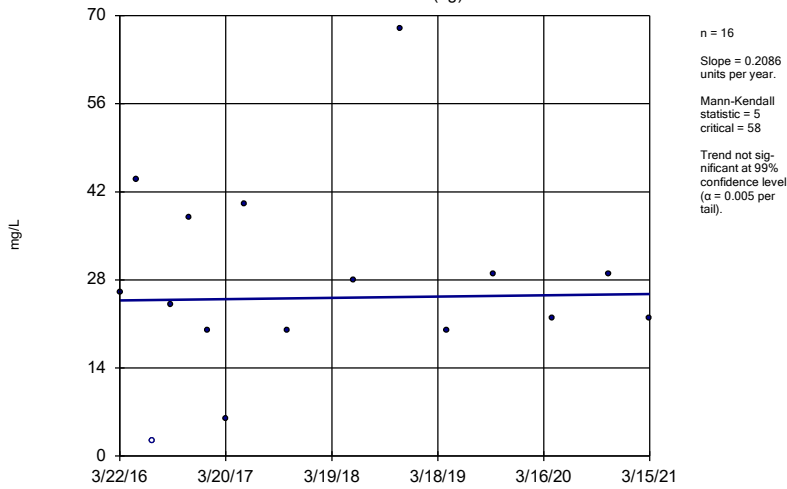
MW-1 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

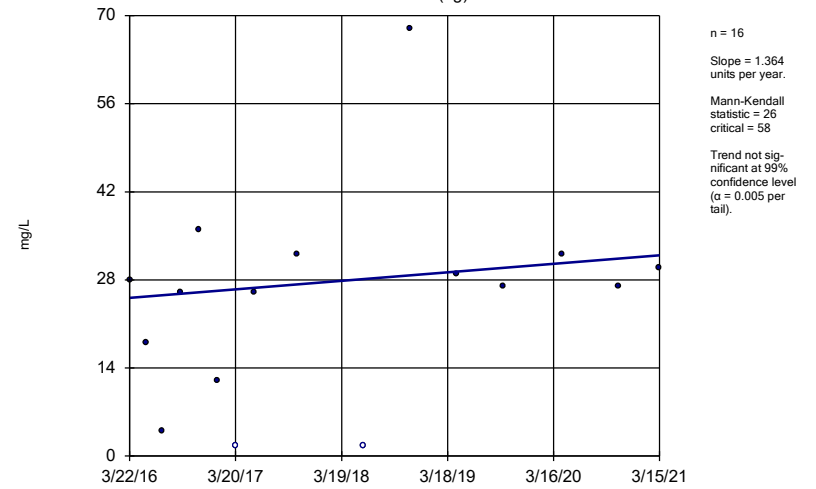
MW-10 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

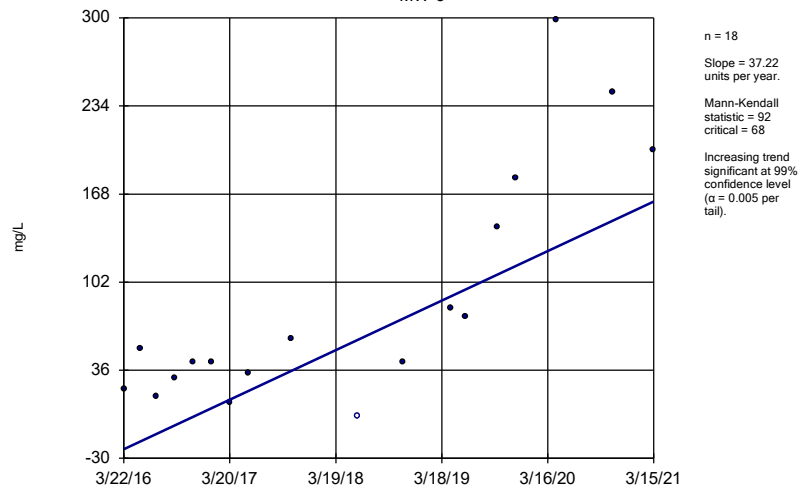
Sen's Slope Estimator

MW-2 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator MW-3



Constituent: Total Dissolved Solids Analysis Run 5/14/2021 7:39 PM View: Appendix III Trend Test
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

FIGURE F.

Upper Tolerance Limit Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:43 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	33	96.97	n/a	0.184	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	36	83.33	n/a	0.1578	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	56	0	n/a	0.05656	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	75	n/a	0.1578	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	33	100	n/a	0.184	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	53	90.57	n/a	0.06597	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	36	0	n/a	0.1578	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.524	n/a	n/a	n/a	35	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	51	86.27	n/a	0.0731	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	36	83.33	n/a	0.1578	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	33	96.97	n/a	0.184	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	53	92.45	n/a	0.06597	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	33	93.94	n/a	0.184	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	53	81.13	n/a	0.06597	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	33	87.88	n/a	0.184	NP Inter(NDs)

FIGURE G.

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		3.52	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*

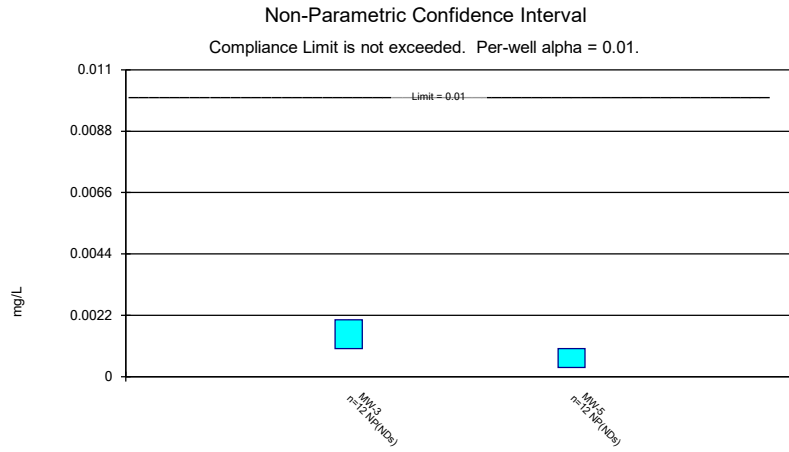
**GWPS = Groundwater Protection Standard*

FIGURE H.

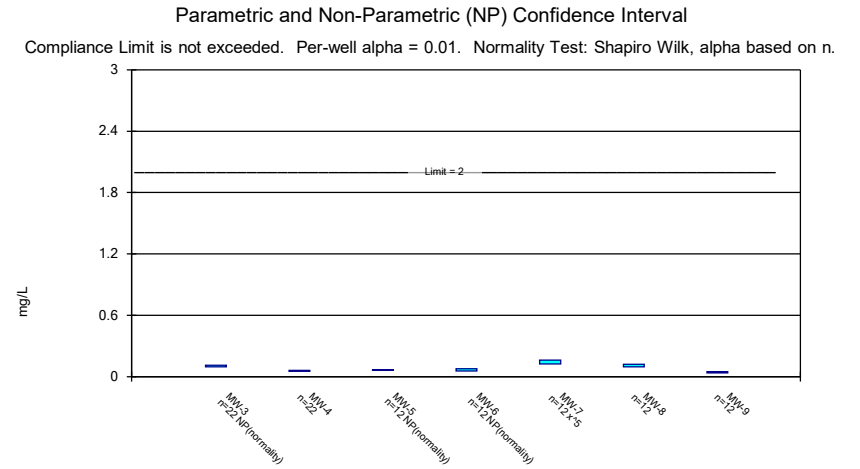
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/14/2021, 7:54 PM

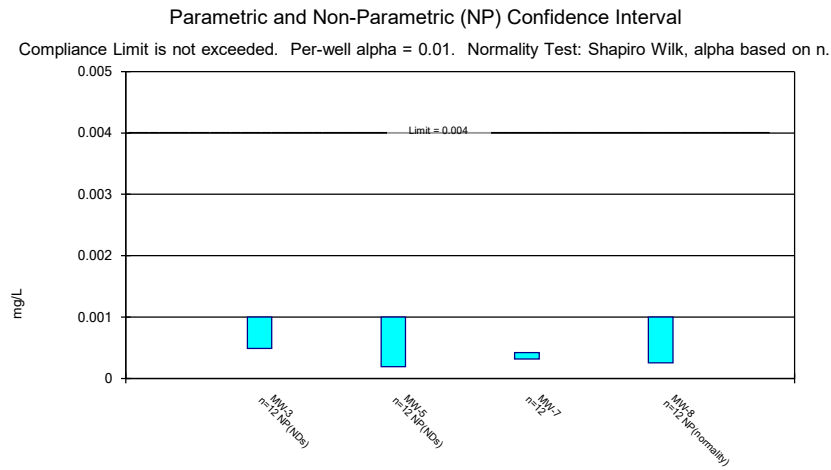
Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00204	0.001	0.01	No	12	0.0007802	66.67	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	12	0.0001928	91.67	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.11	0.095	2	No	22	0.02225	0	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.06038	0.05277	2	No	22	0.007086	0	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0603	2	No	12	0.005502	0	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.076	0.0554	2	No	12	0.01744	0	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1622	0.1243	2	No	12	0.03517	0	x^5	0.01	Param.
Barium (mg/L)	MW-8	0.1214	0.09412	2	No	12	0.01738	0	No	0.01	Param.
Barium (mg/L)	MW-9	0.04751	0.03691	2	No	12	0.006751	0	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.000486	0.004	No	12	0.0002449	66.67	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	12	0.0002335	91.67	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.00042	0.0003147	0.004	No	12	0.0000671	0	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	12	0.0003548	50	No	0.01	NP (normality)
Cadmium (mg/L)	MW-5	0.001	0.001	0.005	No	11	0.0003618	90.91	No	0.006	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.01	No	21	0.0005013	90.48	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.01	No	21	0.0004583	95.24	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.002	0.002	0.01	No	11	0.0001206	90.91	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-3	0.00341	0.0016	0.006	No	12	0.0008271	0	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001707	0.001481	0.006	No	12	0.0001439	0	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001052	0.0008864	0.006	No	12	0.0001056	0	No	0.01	Param.
Cobalt (mg/L)	MW-6	0.002621	0.001751	0.006	No	12	0.0005541	0	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0024	0.001751	0.006	No	12	0.0005492	0	x^4	0.01	Param.
Cobalt (mg/L)	MW-8	0.001678	0.001325	0.006	No	12	0.0002253	0	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001229	0.001081	0.006	No	12	0.00009492	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	2.986	1.856	5	No	12	0.7204	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.356	0.899	5	No	12	0.2915	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.604	1.052	5	No	12	0.3521	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.264	0.8553	5	No	12	0.2601	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	2.715	1.648	5	No	12	0.6802	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.328	1.742	5	No	12	0.3732	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9749	0.5804	5	No	12	0.2514	0	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.198	0.04	4	No	19	0.0829	10.53	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	17	0.02016	88.24	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	17	0.0278	76.47	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0277	4	No	17	0.01754	94.12	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	17	0.01666	94.12	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00126	0.00039	0.015	No	12	0.0003769	8.333	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000192	0.015	No	12	0.0002332	91.67	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000153	0.015	No	12	0.0002445	91.67	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000165	0.015	No	12	0.0003315	83.33	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	12	0.0003358	83.33	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.00017	0.015	No	12	0.0003705	75	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	21	0.0000372	85.71	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	21	0.00003012	85.71	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.005	0.1	No	11	0.0009287	90.91	No	0.006	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	21	0.0002869	90.48	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	21	0.0001309	95.24	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.005	0.05	No	11	0.001417	90.91	No	0.006	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	11	0.001879	81.82	No	0.006	NP (NDs)



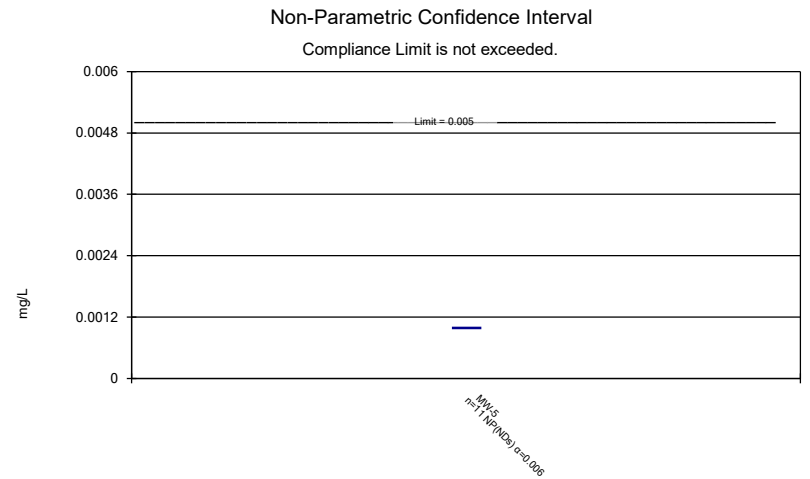
Constituent: Arsenic Analysis Run 5/14/2021 7:50 PM View: Appendix IV
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Constituent: Barium Analysis Run 5/14/2021 7:50 PM View: Appendix IV
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



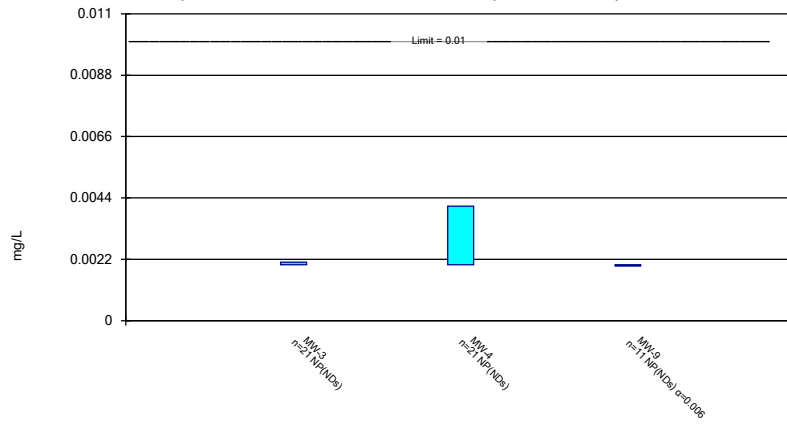
Constituent: Beryllium Analysis Run 5/14/2021 7:50 PM View: Appendix IV
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Constituent: Cadmium Analysis Run 5/14/2021 7:50 PM View: Appendix IV
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

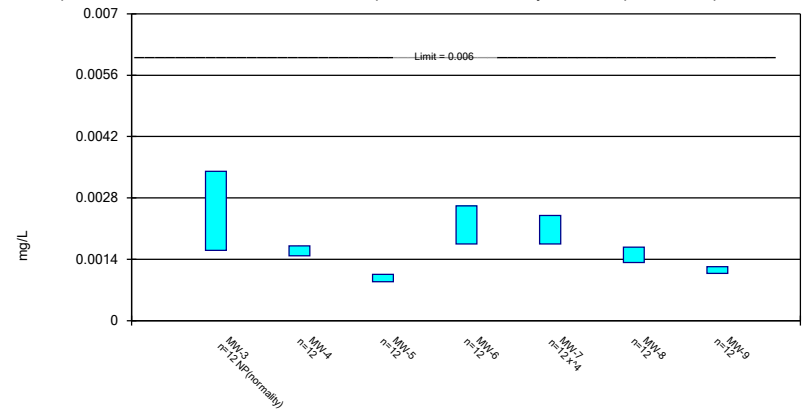
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 5/14/2021 7:50 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

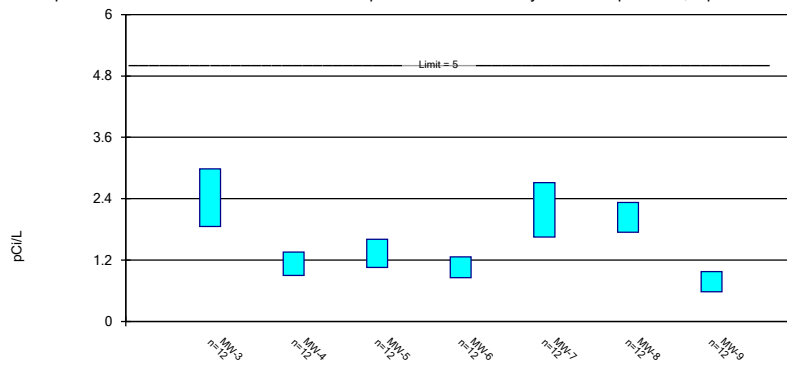
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric Confidence Interval

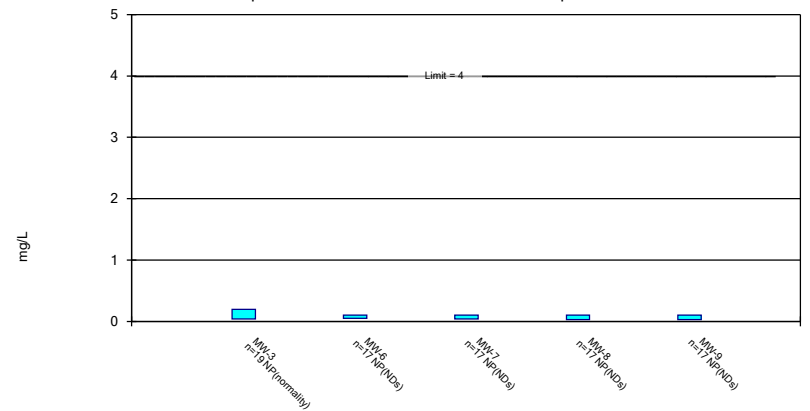
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

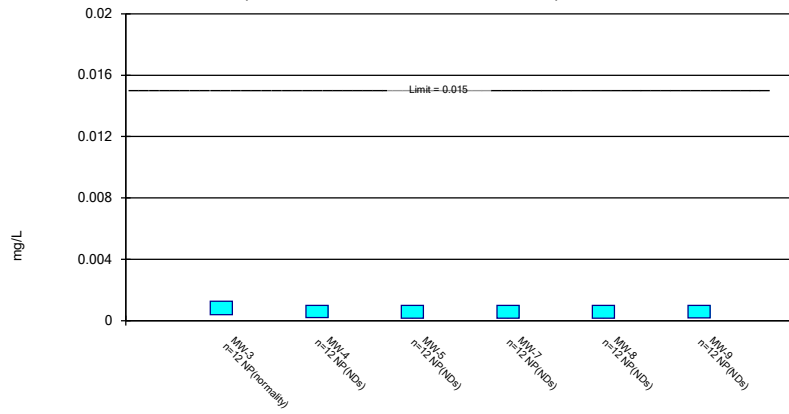
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

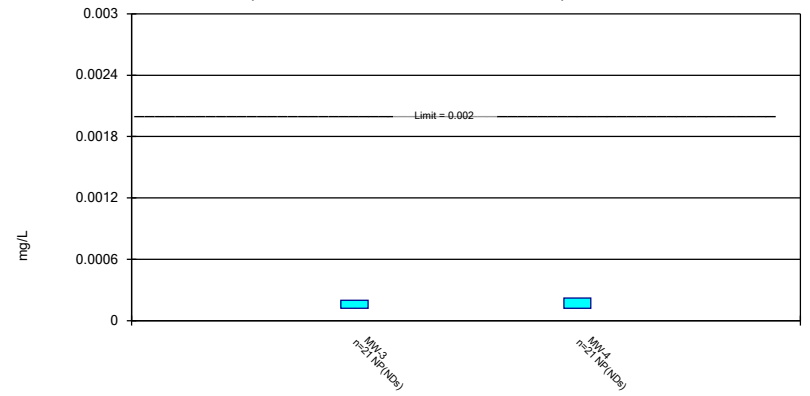
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

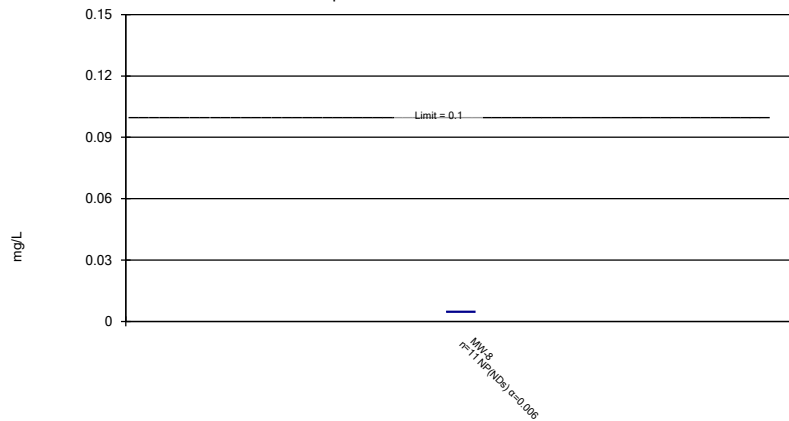
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

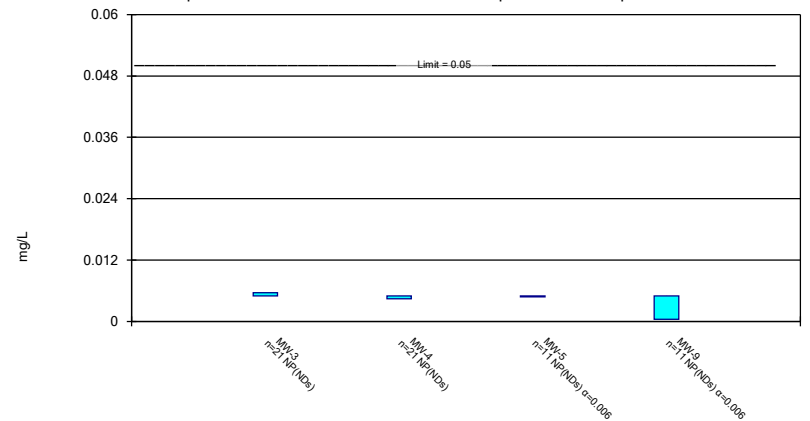
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Selenium Analysis Run 5/14/2021 7:51 PM View: Appendix IV
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV
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
	0.001412	0.0009443
	0.0007802	0.0001928
	0.00204	0.001
	0.001	0.000332

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV
 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
	0.1086	0.05658	0.06423	0.06858	0.1356	0.1078	0.04221
	0.02225	0.007086	0.005502	0.01744	0.03517	0.01738	0.006751
	0.11	0.06038	0.0673	0.076	0.1622	0.1214	0.04751
	0.095	0.05277	0.0603	0.0554	0.1243	0.09412	0.03691

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-5	MW-7	MW-8
3/21/2016			0.00044 (B1J)	<0.001
3/22/2016	<0.001	<0.001		
5/16/2016	<0.001		0.0004 (J)	
5/17/2016		<0.001		0.00034 (J)
7/11/2016	<0.001		0.00038 (J)	0.00041 (J)
7/12/2016		<0.001		
9/12/2016	<0.001		0.00035 (J)	
9/13/2016		<0.001		<0.001
11/16/2016	<0.001	<0.001	0.00039 (J)	
11/17/2016				<0.001
1/16/2017	<0.001	<0.001	0.00044 (J)	
1/17/2017				0.00034 (J)
3/20/2017	<0.001	<0.001	0.0004 (J)	0.00036 (J)
5/22/2017	<0.001		0.00046 (J)	
5/23/2017		<0.001		<0.001
2/21/2020			0.000284 (J)	0.000255 (J)
2/22/2020	0.000486 (J)	<0.001		
4/14/2020	0.000629 (J)		0.000304 (J)	
4/15/2020		0.000191 (J)		0.000248 (J)
10/22/2020			0.000257 (J)	<0.001
10/23/2020	0.000486 (J)	<0.001		
3/15/2021	0.00044 (J)	<0.001	0.000303 (J)	<0.001
	0.0008368	0.0009326	0.0003673	0.0006628
	0.0002449	0.0002335	6.71E-05	0.0003548
	0.001	0.001	0.00042	0.001
	0.000486	0.000191	0.0003147	0.000255

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV
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
	0.001109
	0.0003618
	0.001
	0.001

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	0.002114	0.0021	0.002036
	0.0005013	0.0004583	0.0001206
	0.0021	0.0041	0.002
	0.002	0.002	0.002

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	0.002263	0.001594	0.0009693	0.002186	0.00198	0.001502	0.001155
	0.0008271	0.0001439	0.0001056	0.0005541	0.0005492	0.0002253	9.492E-05
	0.00341	0.001707	0.001052	0.002621	0.0024	0.001678	0.001229
	0.0016	0.001481	0.0008864	0.001751	0.001751	0.001325	0.001081

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	2.421	1.128	1.328	1.059	2.182	2.035	0.7777
	0.7204	0.2915	0.3521	0.2601	0.6802	0.3732	0.2514
	2.986	1.356	1.604	1.264	2.715	2.328	0.9749
	1.856	0.899	1.052	0.8553	1.648	1.742	0.5804

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	0.1037	0.09296	0.08512	0.09575	0.09596
	0.0829	0.02016	0.0278	0.01754	0.01666
	0.198	0.1	0.1	0.1	0.1
	0.04	0.05	0.04	0.0277	0.0313

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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)
	0.0006899	0.0009327	0.0009294	0.0008581	0.0008563	0.0007953
	0.0003769	0.0002332	0.0002445	0.0003315	0.0003358	0.0003705
	0.00126	0.001	0.001	0.001	0.001	0.001
	0.00039	0.000192	0.000153	0.000165	0.000147	0.00017

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	0.0001854	0.0001918
	3.72E-05	3.012E-05
	0.0002	0.00022
	0.00012	0.00012

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV
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)
	0.00472
	0.0009287
	0.005
	0.005

Confidence Interval

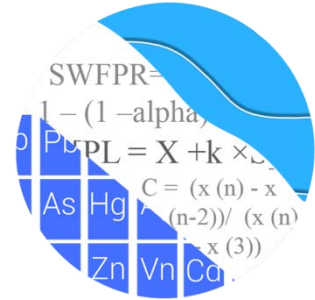
Constituent: Selenium (mg/L) Analysis Run 5/14/2021 7:54 PM View: Appendix IV

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
	0.005086	0.004971	0.004573	0.004155
	0.0002869	0.0001309	0.001417	0.001879
	0.0056	0.005	0.005	0.005
	0.005	0.0044	0.005	0.0004

2nd
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING



December 28, 2021

Southern Company Services
Attn: Ms. Lauren Collins
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Daniel Gypsum Storage Area (GSA)
2021 Annual Statistical Analysis – October 2021 Sample Event

Dear Ms. Collins,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the 2021 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 Groundwater Statistician of 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 (Figure A). Additionally, box plots are included for all constituents at upgradient and downgradient wells (Figure B). 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 (Figure C). 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. A list of any well/constituent pairs using a truncated portion of their records follows this report.

Statistical Analysis of Appendix III Parameters – October 2021

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 April 2019, except for cases mentioned above, for the October 2021 sample event (Figure D). Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well. The reported measurements for the October 2021 sample event were compared to the prediction limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance

is confirmed. When the resample 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
- Chloride: MW-2, MW-6, MW-9, and MW-10
- Fluoride: MW-3
- Sulfate: MW-3, MW-5, and MW-8

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 (Figure E). 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) and MW-9
- Fluoride: MW-3
- Sulfate: MW-1 (upgradient) and MW-3

Decreasing:

- Calcium: MW-1 (upgradient) and MW-7
- Chloride: MW-1 (upgradient)

Note that the statistically significant increasing trend identified for sulfate at well MW-3 reflects the evaluation of all reported measurements over time. While concentrations increased during 2019 and early 2020, the most recent (October 2021) observation is consistent with historical concentrations.

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 2021

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, a high value was identified visually and flagged for combined radium 226 + 228 in well MW-1 because the stability of background samples indicates that this value does not accurately represent the population of its respective well.

During this analysis, no new values were flagged during this analysis and 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 October 2021 for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine background limits (Figure F). 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 (Figure G).

Confidence Intervals

Confidence intervals were then constructed on downgradient wells using all data through October 2021 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 (Figure H). 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
Groundwater Statistician

100% Non-Detects: Appendix IV Downgradient

Analysis Run 12/27/2021 4:37 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

Lithium (mg/L)

MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9

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: 12/27/2021 4:02 PM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Calcium (mg/L)

MW-3 background:3/22/2016-11/8/2018

Sulfate (mg/L)

MW-1 background:1/16/2017-4/19/2019

MW-3 background:1/29/2015-11/7/2018

Appendix III - Intra Well Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	10/6/2021	4.54	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	10/6/2021	2.38	Yes	12	1.787	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	10/6/2021	8.86	Yes	12	4.872	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	10/6/2021	10.4	Yes	12	7.748	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	10/6/2021	10.5	Yes	12	6.483	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	10/6/2021	8.56	Yes	12	7.204	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	10/6/2021	0.11	Yes	12	n/a	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/6/2021	2.93	Yes	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	10/6/2021	6.05	Yes	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	10/6/2021	4.11	Yes	12	n/a	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	10/6/2021	0.0603J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	10/6/2021	0.0634J	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.05	n/a	10/6/2021	0.0481J	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	8.486	n/a	10/6/2021	2.49	No	12	5.338	1.285	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.317	n/a	10/6/2021	1.16	No	10	0.766	0.2101	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.291	n/a	10/6/2021	1.04	No	13	0.8832	0.1696	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/6/2021	4.54	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.392	n/a	10/6/2021	1.22	No	12	1.765	0.2561	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.514	n/a	10/6/2021	1.34	No	12	1.983	0.2167	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.619	n/a	10/6/2021	1.5	No	12	1.208	0.1679	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	10/6/2021	2.38	Yes	12	1.787	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.407	n/a	10/6/2021	2.11	No	12	2.224	0.4831	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	10/6/2021	0.748	No	13	0.9415	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	13.99	n/a	10/6/2021	2.22	No	12	7.079	2.822	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	10/6/2021	8.86	Yes	12	4.872	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	10/6/2021	10.4	Yes	12	7.748	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.84	n/a	10/6/2021	11.1	No	11	10.08	0.6972	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	10.27	n/a	10/6/2021	6.88	No	12	7.71	1.044	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.23	n/a	10/6/2021	4.72	No	12	8.514	1.108	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	10/6/2021	10.5	Yes	12	6.483	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-7	19.33	n/a	10/6/2021	9.75	No	12	14.88	1.814	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	11.59	n/a	10/6/2021	7.5	No	12	9.075	1.026	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	10/6/2021	8.56	Yes	12	7.204	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	10/6/2021	0.0269J	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	10/6/2021	0.11	Yes	12	n/a	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	10/6/2021	0.0317J	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	10/6/2021	0.0458J	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.85	4.477	10/6/2021	4.9	No	21	5.164	0.3203	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.527	4.623	10/6/2021	5.03	No	12	5.075	0.1847	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	10/6/2021	4.89	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.806	4.214	10/6/2021	4.36	No	21	4.51	0.1382	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.135	4.628	10/6/2021	4.77	No	21	4.881	0.1183	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.513	10/6/2021	5.05	No	13	4.798	0.119	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.838	4.466	10/6/2021	4.56	No	12	4.652	0.0759	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/6/2021	4.35	No	12	n/a	n/a	0	n/a	n/a	0.02155	NP Intra (normality) 1 of 2
pH (SU)	MW-8	5.04	4.257	10/6/2021	4.86	No	11	4.648	0.1544	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.078	4.762	10/6/2021	4.98	No	12	4.92	0.06439	0	None	No	0.0005373	Param Intra 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

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	14.08	n/a	10/6/2021	10.3	No	9	8.5	2.013	11.11	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/6/2021	1ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	10/6/2021	1ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/6/2021	2.93	Yes	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	10/6/2021	1.97	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	10/6/2021	6.05	Yes	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	3.559	n/a	10/6/2021	0.802J	No	12	2.336	0.4993	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1	n/a	10/6/2021	1ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	10/6/2021	4.11	Yes	12	n/a	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.344	n/a	10/6/2021	2.4	No	12	1.114	0.1559	50	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	118.8	n/a	10/6/2021	51	No	12	55.5	25.84	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	71.38	n/a	10/6/2021	39	No	12	28.04	17.7	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	66.3	n/a	10/6/2021	35	No	12	22.33	17.96	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	10/6/2021	80	No	12	36.39	22.43	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	73.02	n/a	10/6/2021	33	No	12	32.96	16.36	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	66.18	n/a	10/6/2021	27	No	12	32.31	13.83	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	48.08	n/a	10/6/2021	38	No	12	19.49	11.68	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	71.5	n/a	10/6/2021	53	No	12	39.33	13.14	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	82.12	n/a	10/6/2021	36	No	12	37.96	18.03	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	60.73	n/a	10/6/2021	37	No	12	29.46	12.77	8.333	None	No	0.001075	Param Intra 1 of 2

Upper Tolerance Limits - Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:34 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	36	n/a	n/a	97.22	n/a	n/a	0.1578	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	39	n/a	n/a	82.05	n/a	n/a	0.1353	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	59	n/a	n/a	0	n/a	n/a	0.04849	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	39	n/a	n/a	76.92	n/a	n/a	0.1353	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	n/a	n/a	100	n/a	n/a	0.1578	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	56	n/a	n/a	91.07	n/a	n/a	0.05656	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	39	n/a	n/a	0	n/a	n/a	0.1353	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.461	n/a	n/a	n/a	38	1.009	0.3977	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	54	n/a	n/a	85.19	n/a	n/a	0.06267	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	39	n/a	n/a	79.49	n/a	n/a	0.1353	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	36	n/a	n/a	97.22	n/a	n/a	0.1578	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	56	n/a	n/a	92.86	n/a	n/a	0.05656	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	36	n/a	n/a	94.44	n/a	n/a	0.1578	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	56	n/a	n/a	82.14	n/a	n/a	0.05656	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	n/a	n/a	83.33	n/a	n/a	0.1578	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		3.46	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*

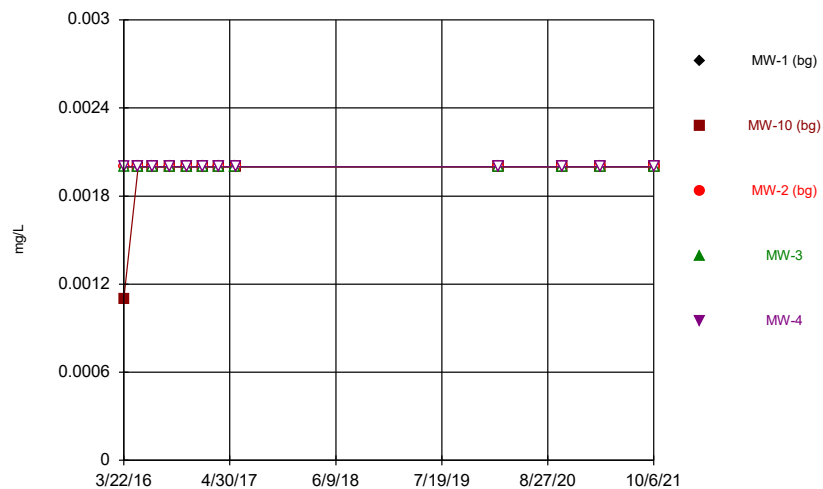
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00204	0.001	0.01	No	13	0.00138	0.0007557	69.23	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	13	0.0009486	0.0001853	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	23	0.1124	0.02823	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05993	0.05239	2	No	23	0.05616	0.007205	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0508	2	No	13	0.06319	0.006451	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0843	0.0554	2	No	13	0.06978	0.01725	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1615	0.1283	2	No	13	0.1371	0.0341	0	None	x^5	0.01	Param.
Barium (mg/L)	MW-8	0.1193	0.09335	2	No	13	0.1063	0.01744	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04669	0.03593	2	No	13	0.04131	0.007234	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.000486	0.004	No	13	0.0008162	0.000246	61.54	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	13	0.0009374	0.0002258	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	13	0.0009378	0.0002244	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	13	0.0009464	0.0001933	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004184	0.0003217	0.004	No	13	0.0003701	0.000065	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	13	0.0006887	0.0003523	53.85	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.001	0.005	No	12	0.0011	0.0003464	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	22	0.002109	0.0004898	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	22	0.002095	0.0004477	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	12	0.002033	0.0001155	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00341	0.0016	0.006	No	13	0.00234	0.0008397	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001699	0.001418	0.006	No	13	0.001558	0.0001885	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001112	0.0008884	0.006	No	13	0.001	0.0001503	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-6	0.002639	0.001818	0.006	No	13	0.002228	0.0005523	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002405	0.001882	0.006	No	13	0.002013	0.0005391	0	None	x^5	0.01	Param.
Cobalt (mg/L)	MW-8	0.001651	0.001292	0.006	No	13	0.001472	0.0002416	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001218	0.001063	0.006	No	13	0.001141	0.0001045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.357	1.884	5	No	13	2.656	1.093	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.362	0.9334	5	No	13	1.148	0.2884	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.561	1.018	5	No	13	1.289	0.3647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.323	0.8839	5	No	13	1.103	0.2951	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	2.883	1.72	5	No	13	2.302	0.7816	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.319	1.781	5	No	13	2.05	0.3613	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9661	0.6055	5	No	13	0.7858	0.2425	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.121	0.05552	4	No	20	0.104	0.0807	10	None	ln(x)	0.01	Param.
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	18	0.09336	0.01963	88.89	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	18	0.08215	0.02976	72.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	18	0.09297	0.02069	88.89	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	18	0.09618	0.01619	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00126	0.00039	0.015	No	13	0.0007192	0.0003759	7.692	None	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000192	0.015	No	13	0.0008733	0.0003093	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000153	0.015	No	13	0.0009348	0.0002349	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000165	0.015	No	13	0.0008052	0.0003704	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	13	0.0008673	0.0003239	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.00017	0.015	No	13	0.0008111	0.0003592	76.92	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	22	0.000186	0.00003644	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	22	0.0001921	0.00002945	86.36	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	12	0.004743	0.0008891	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	22	0.005082	0.0002805	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	22	0.004973	0.0001279	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	12	0.004608	0.001357	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	12	0.004226	0.001808	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	12	0.0009391	0.000211	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	12	0.0009359	0.000222	91.67	None	No	0.01	NP (NDs)

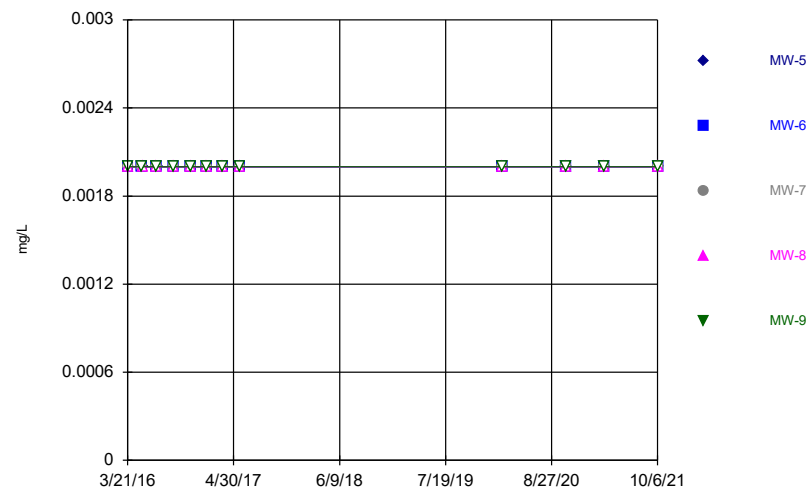
FIGURE A.

Time Series



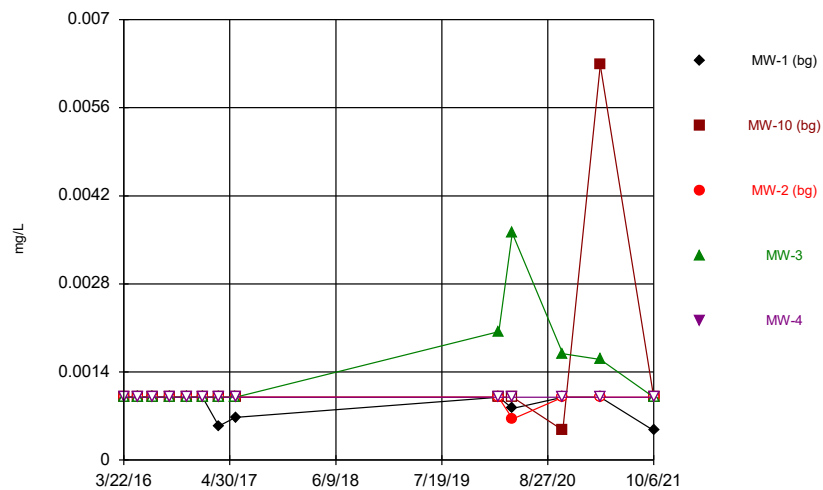
Constituent: Antimony Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



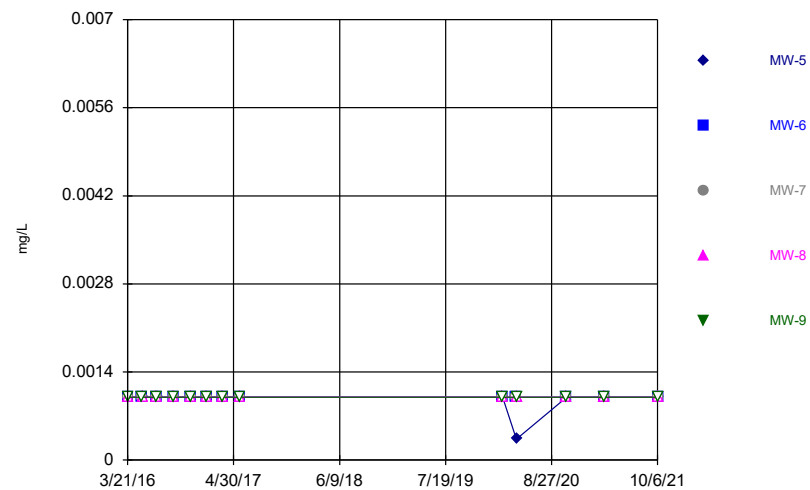
Constituent: Antimony Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



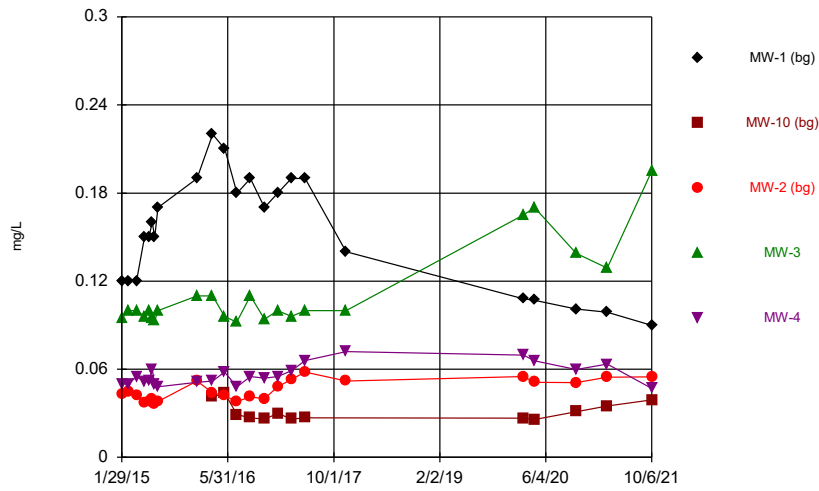
Constituent: Arsenic Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



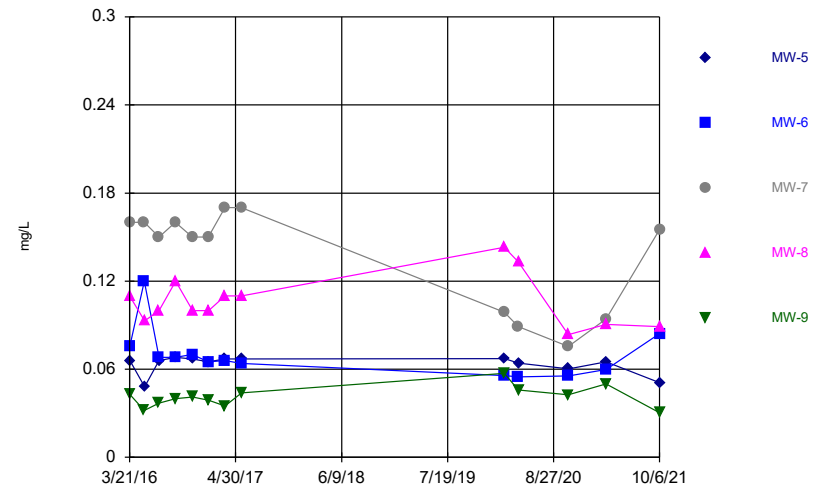
Constituent: Arsenic Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



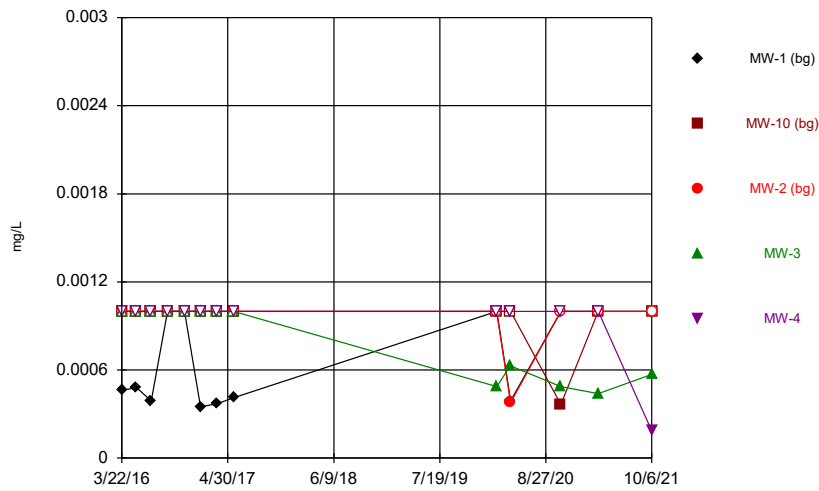
Constituent: Barium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



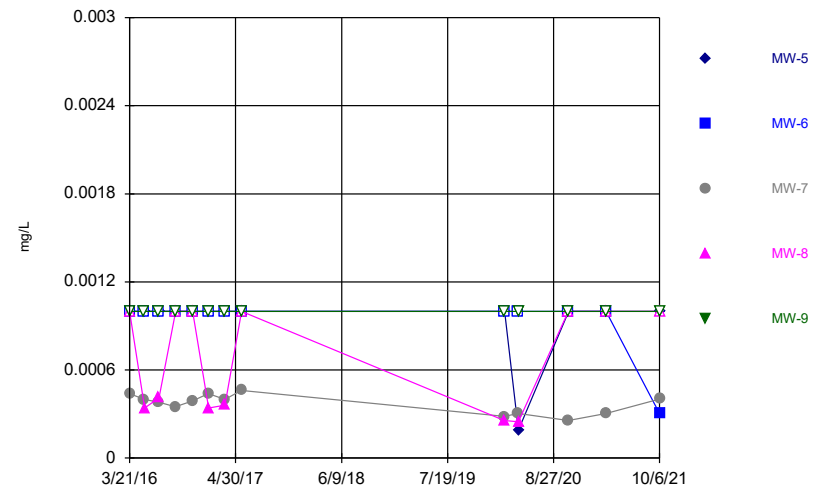
Constituent: Barium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



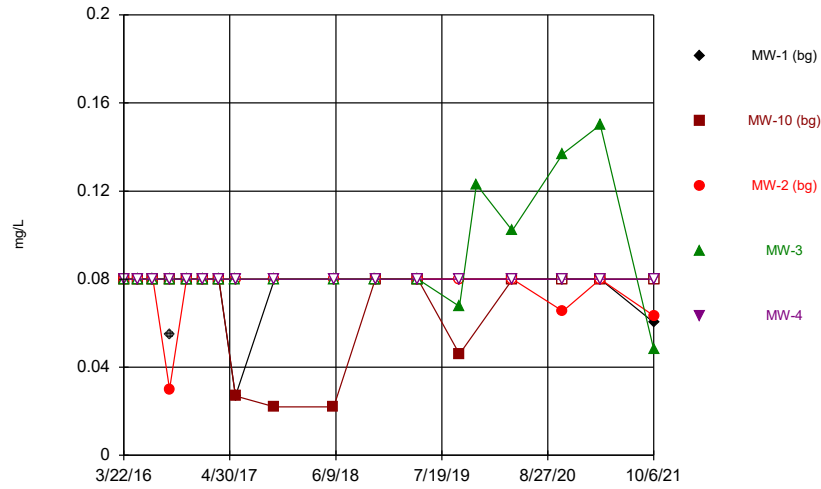
Constituent: Beryllium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



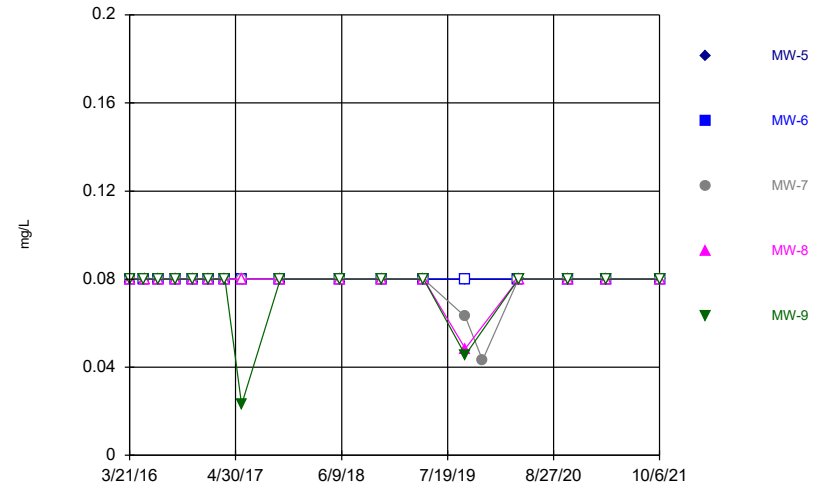
Constituent: Beryllium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



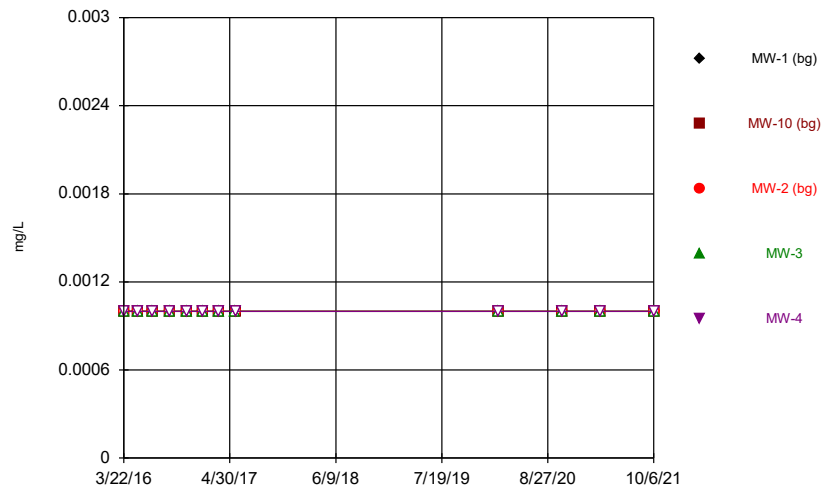
Constituent: Boron Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



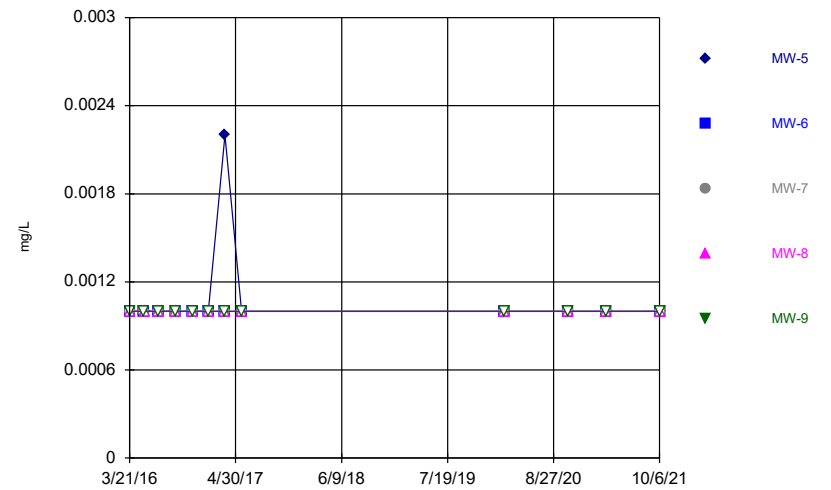
Constituent: Boron Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



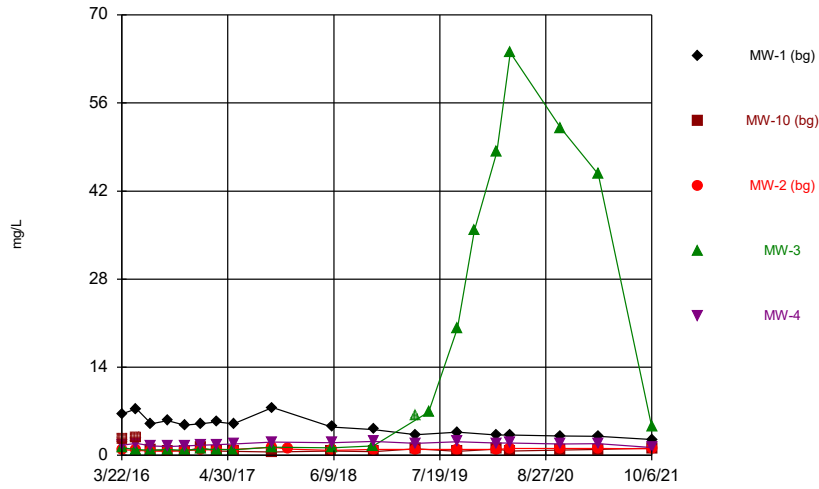
Constituent: Cadmium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



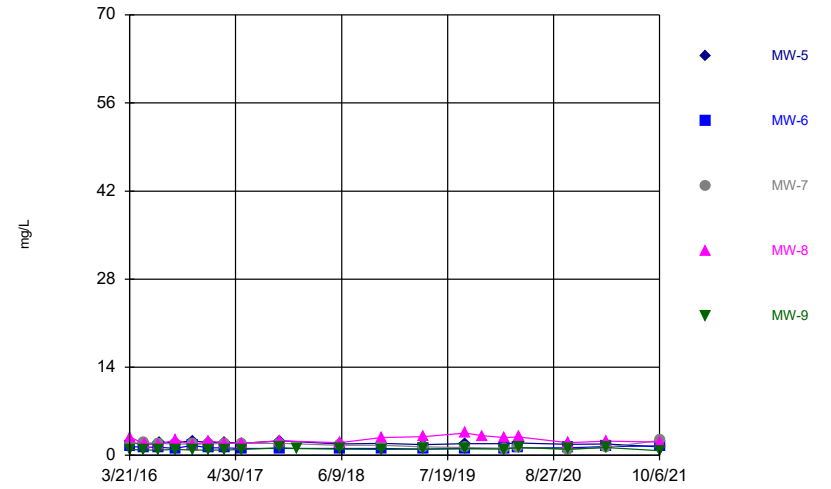
Constituent: Cadmium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



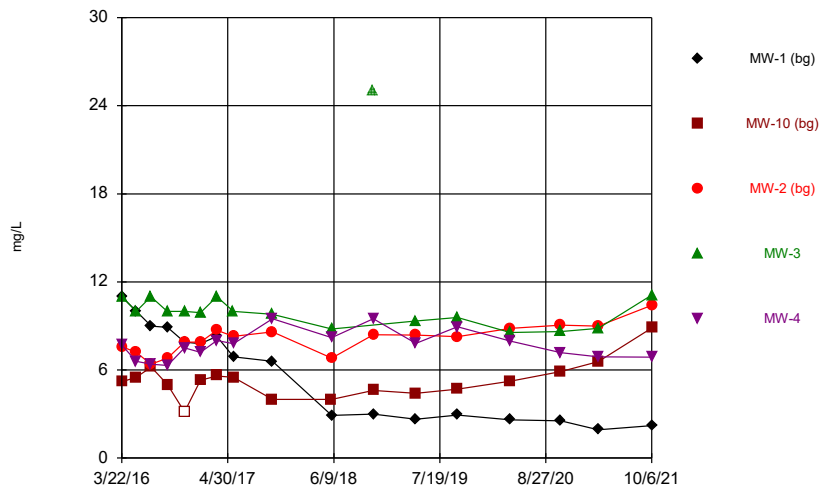
Constituent: Calcium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



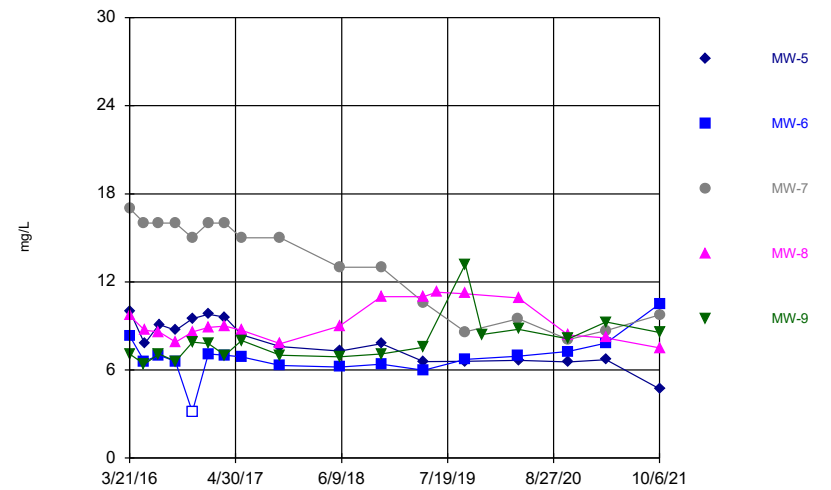
Constituent: Calcium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



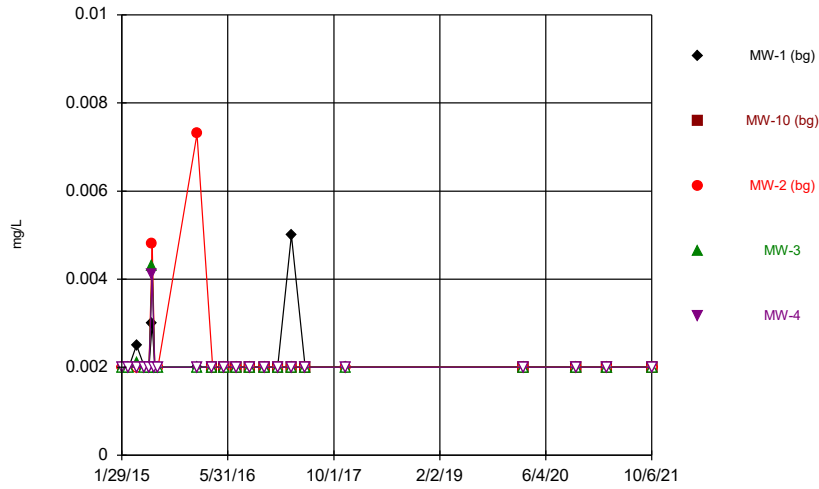
Constituent: Chloride Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



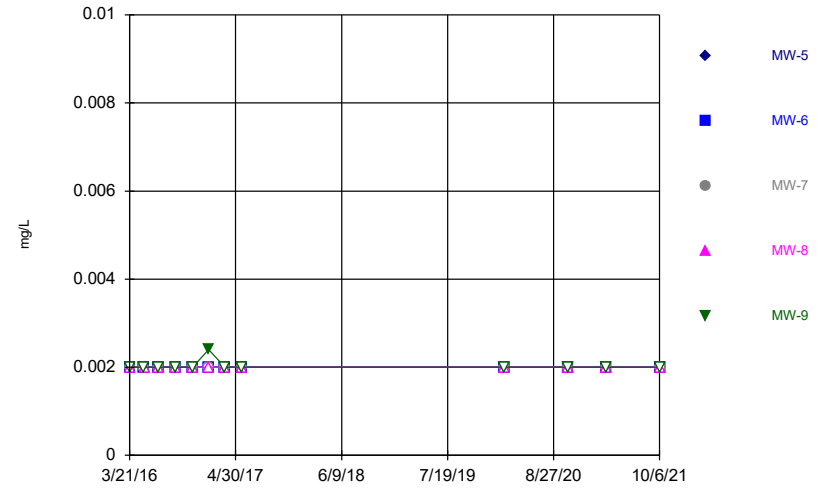
Constituent: Chloride Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



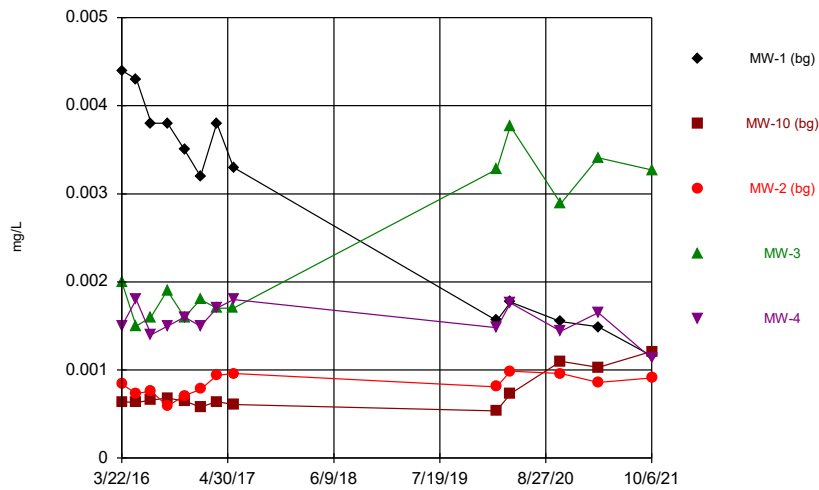
Constituent: Chromium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



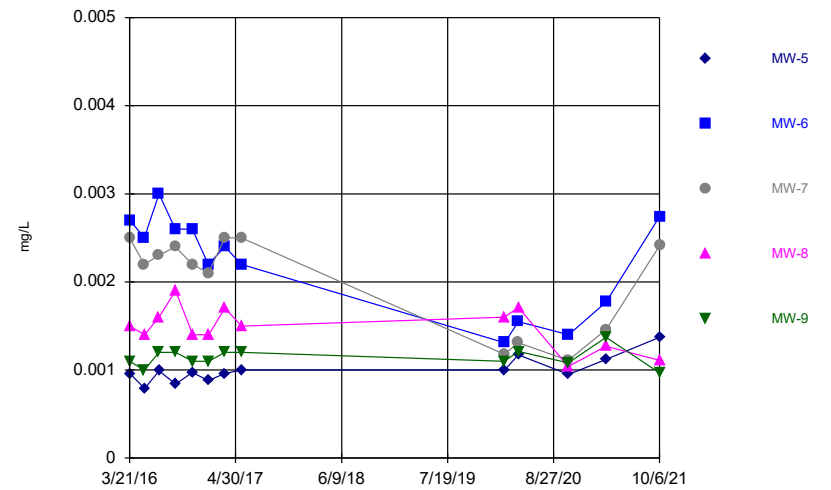
Constituent: Chromium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



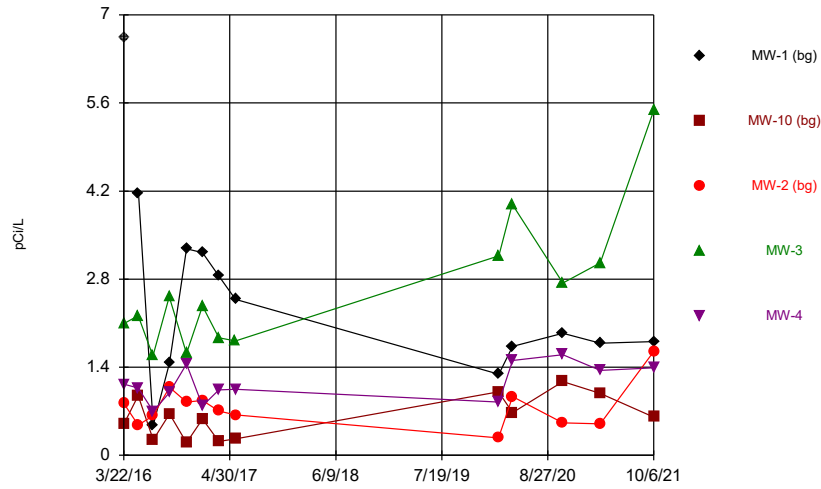
Constituent: Cobalt Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



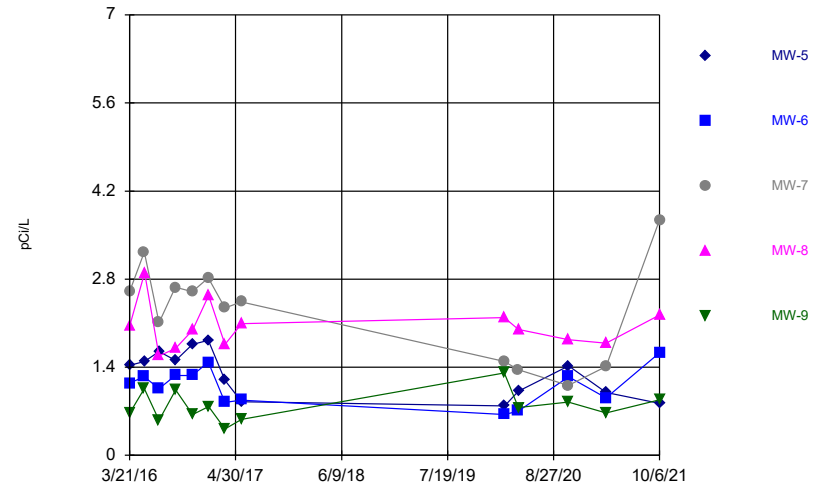
Constituent: Cobalt Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



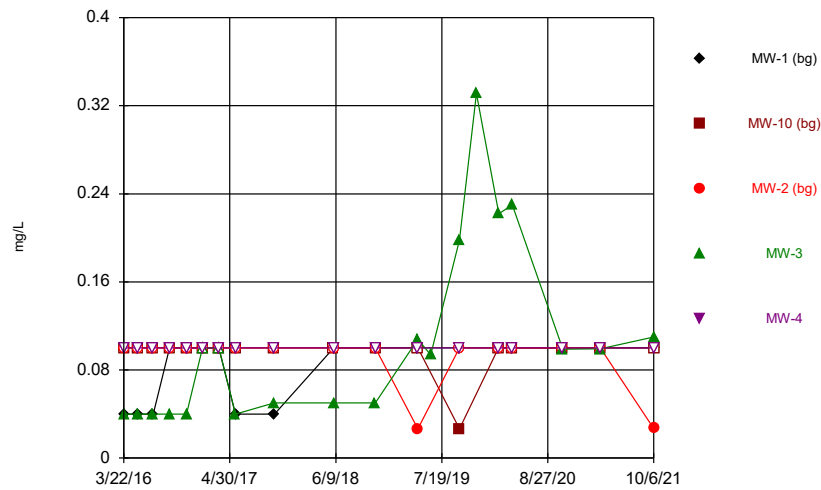
Constituent: Combined Radium 226 + 228 Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



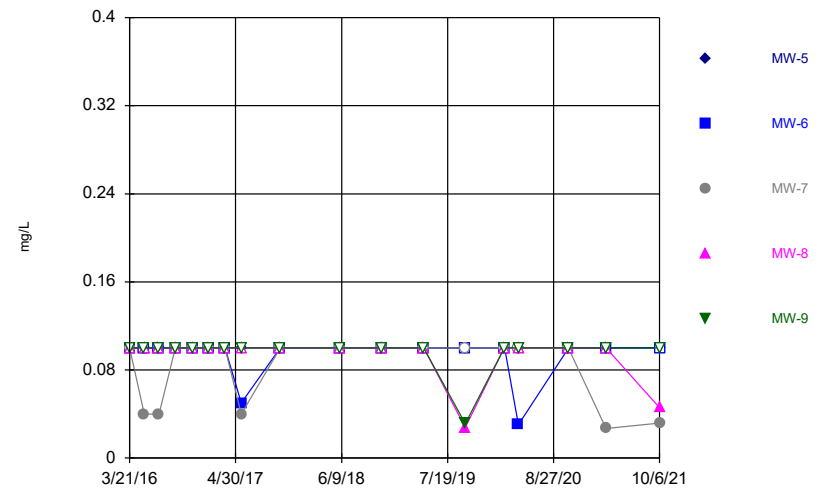
Constituent: Combined Radium 226 + 228 Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



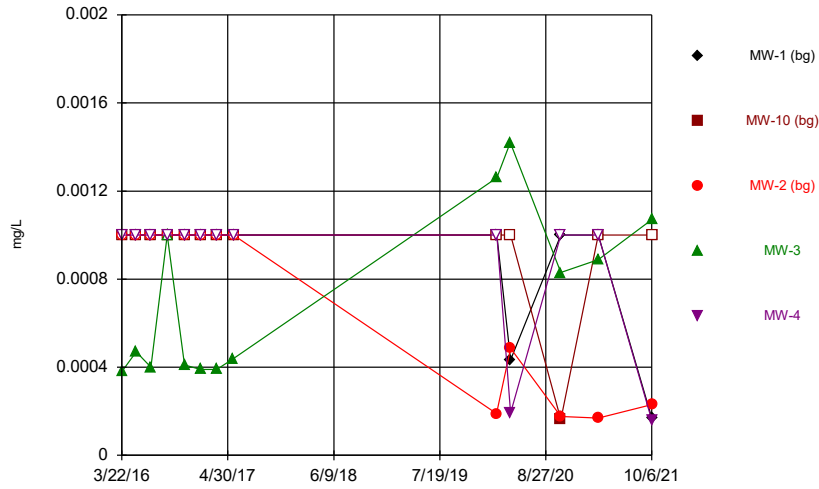
Constituent: Fluoride Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



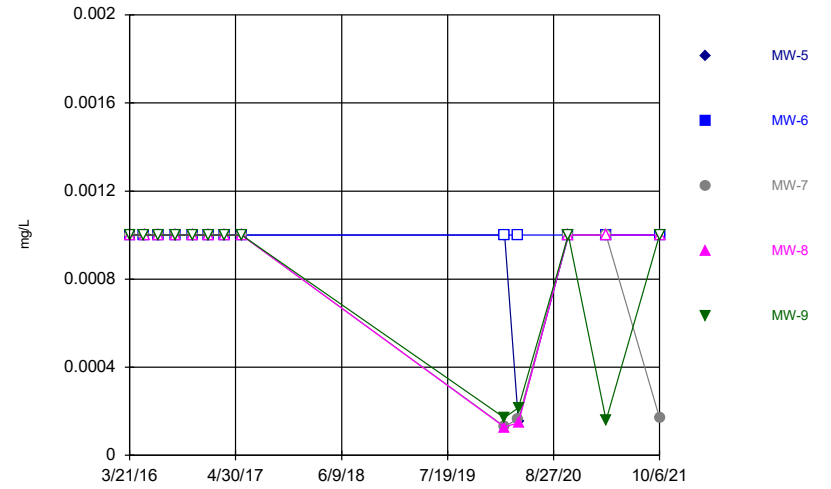
Constituent: Fluoride Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



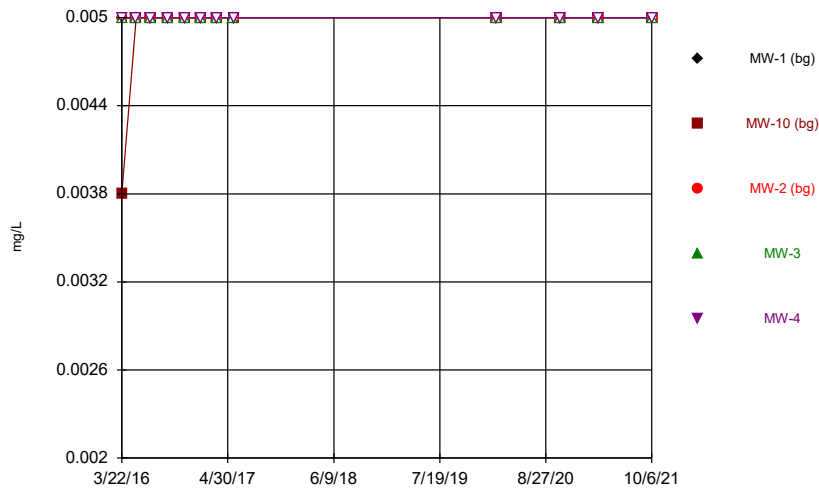
Constituent: Lead Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



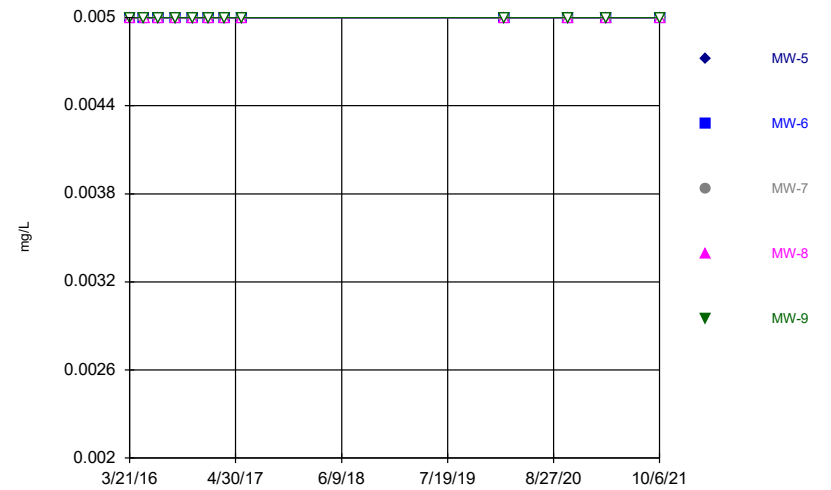
Constituent: Lead Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



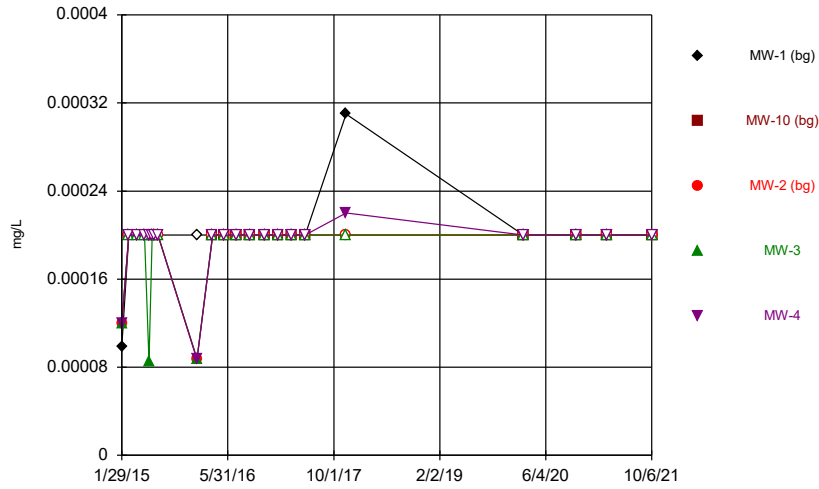
Constituent: Lithium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



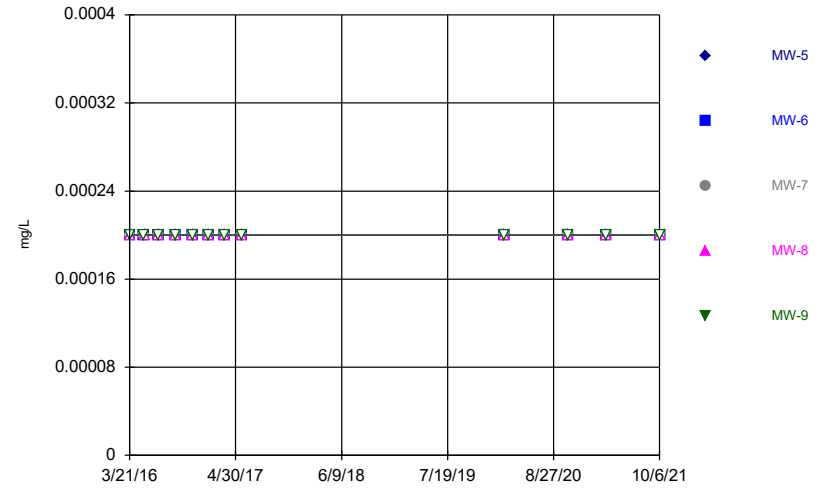
Constituent: Lithium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



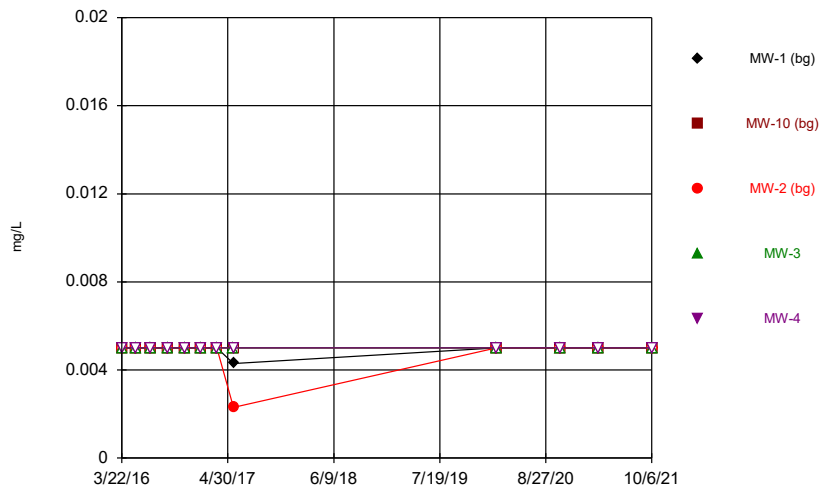
Constituent: Mercury Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



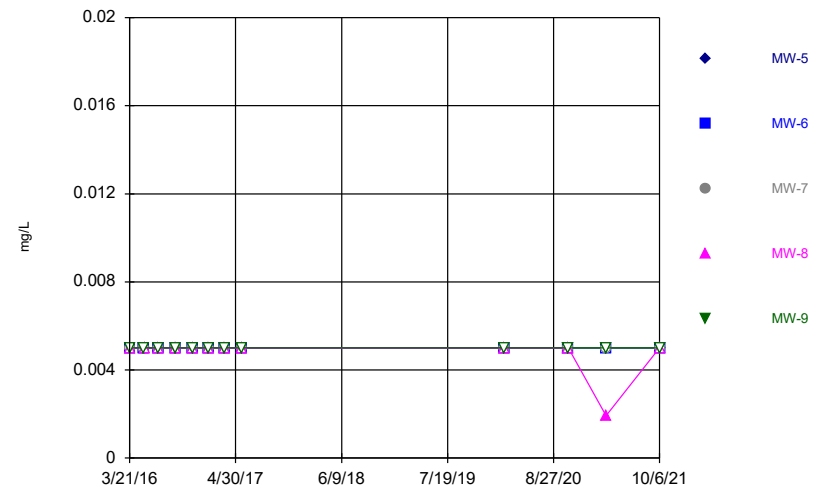
Constituent: Mercury Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



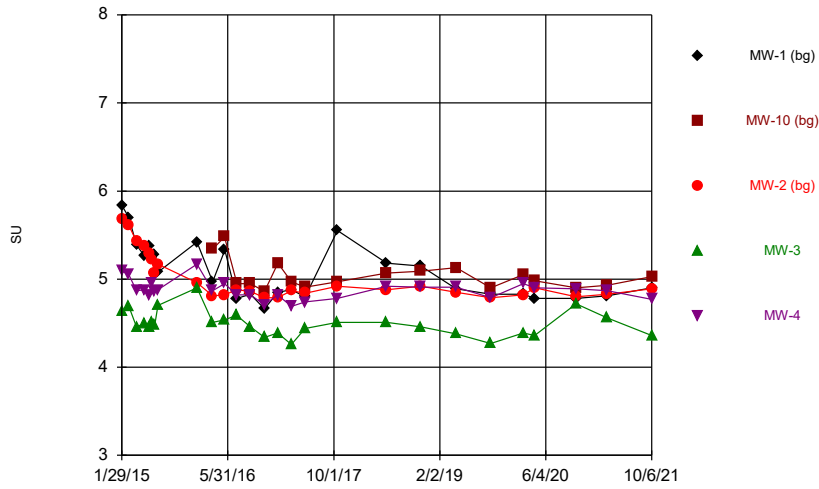
Constituent: Molybdenum Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



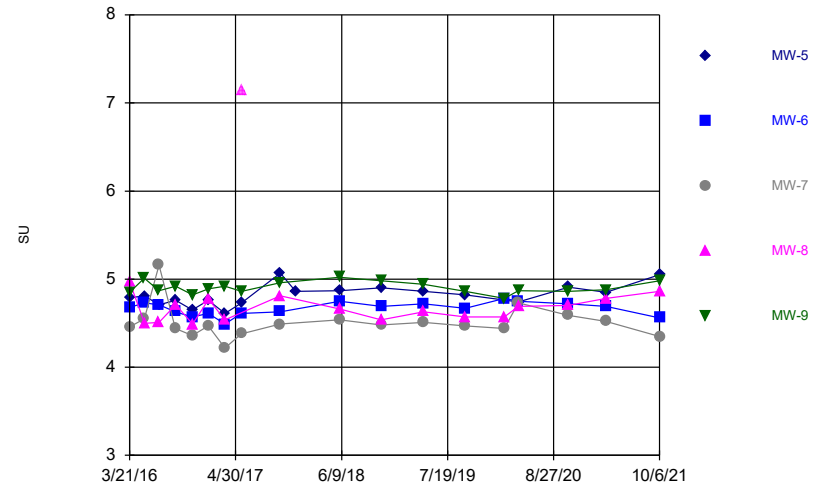
Constituent: Molybdenum Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



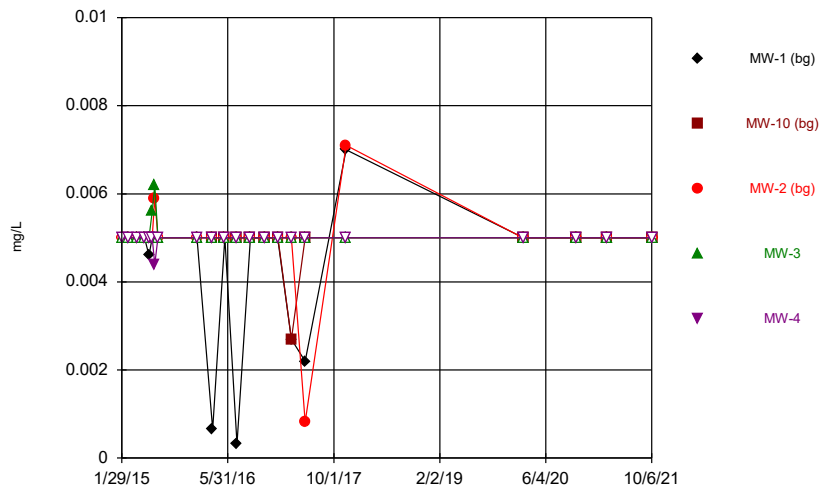
Constituent: pH Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



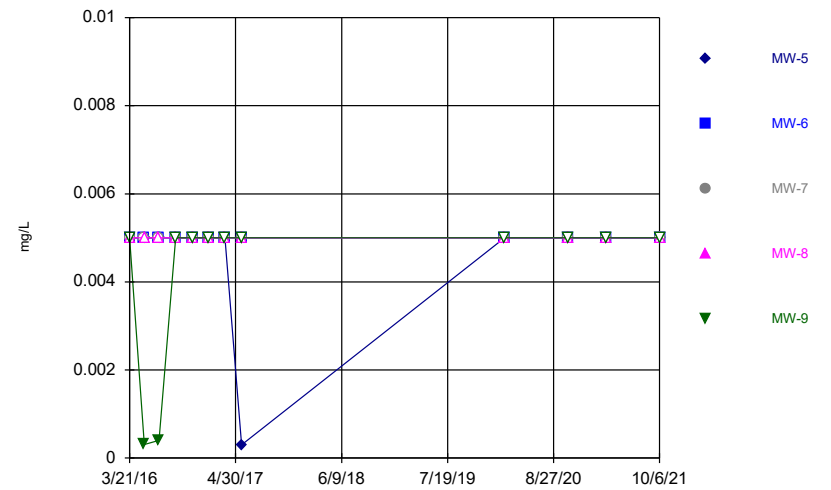
Constituent: pH Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



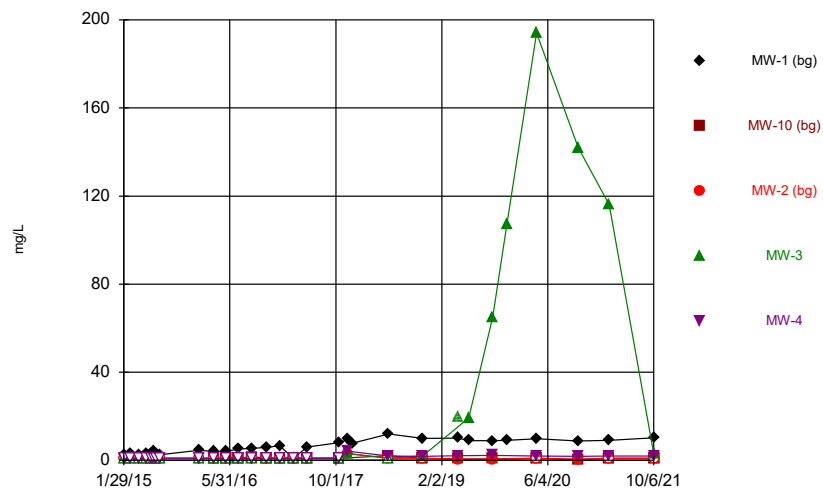
Constituent: Selenium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



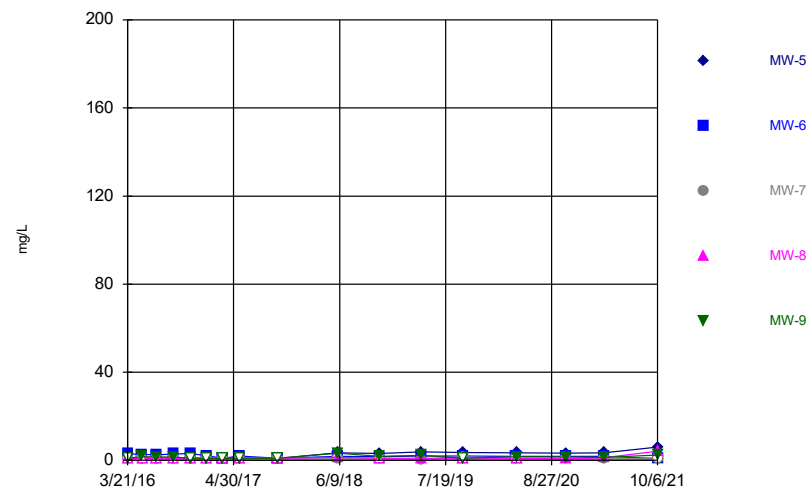
Constituent: Selenium Analysis Run 12/23/2021 3:37 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



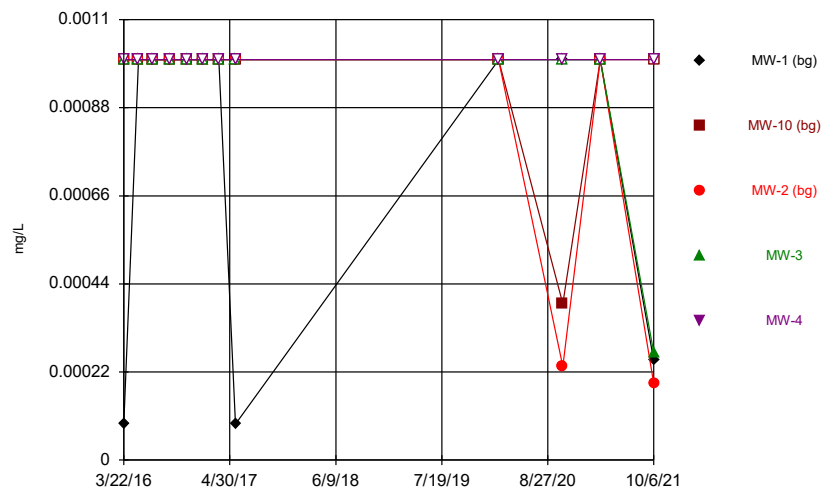
Constituent: Sulfate Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



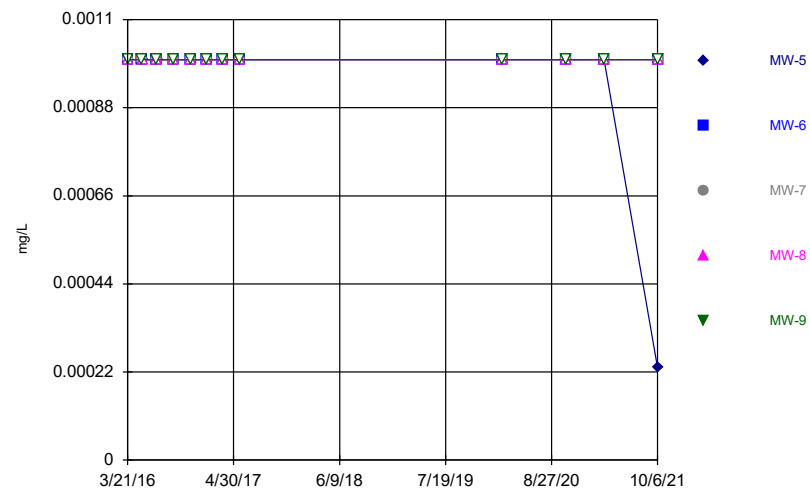
Constituent: Sulfate Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



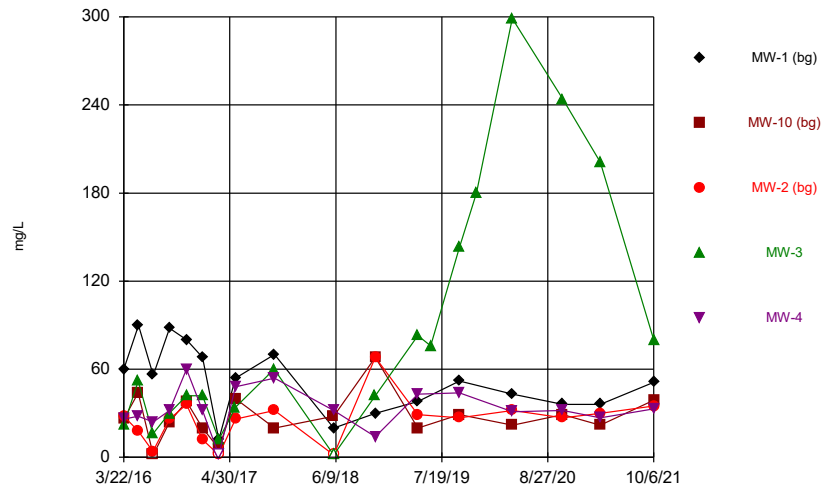
Constituent: Thallium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



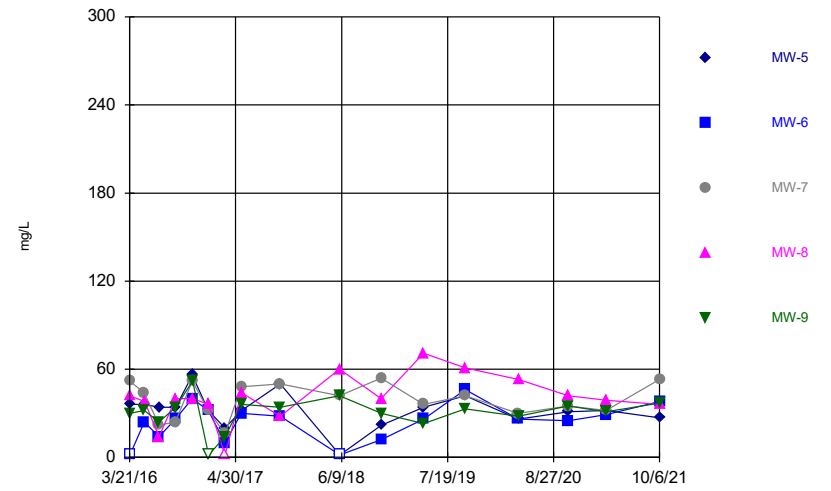
Constituent: Thallium Analysis Run 12/23/2021 3:37 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/23/2021 3:38 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/23/2021 3:38 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Barium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Barium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/23/2021 3:38 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)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Boron (mg/L) Analysis Run 12/23/2021 3:38 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 (o)	<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

Time Series

Constituent: Boron (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Lead (mg/L) Analysis Run 12/23/2021 3:38 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)

Time Series

Constituent: Lead (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: pH (SU) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: pH (SU) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/23/2021 3:38 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

Time Series

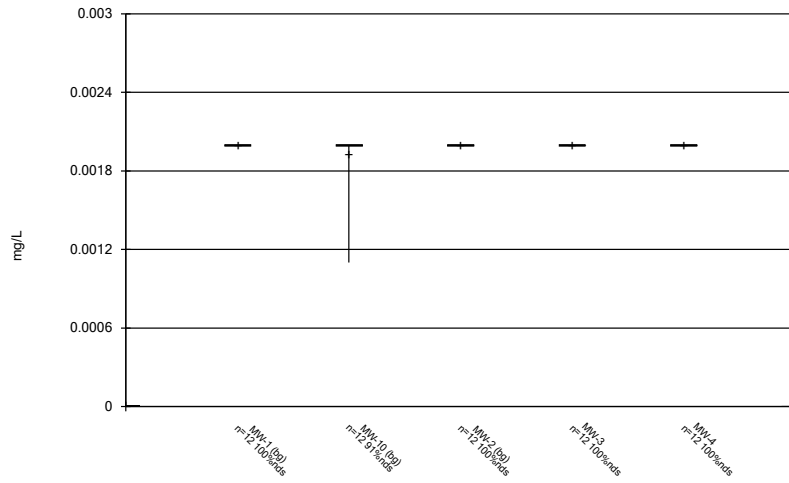
Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/23/2021 3:38 PM

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

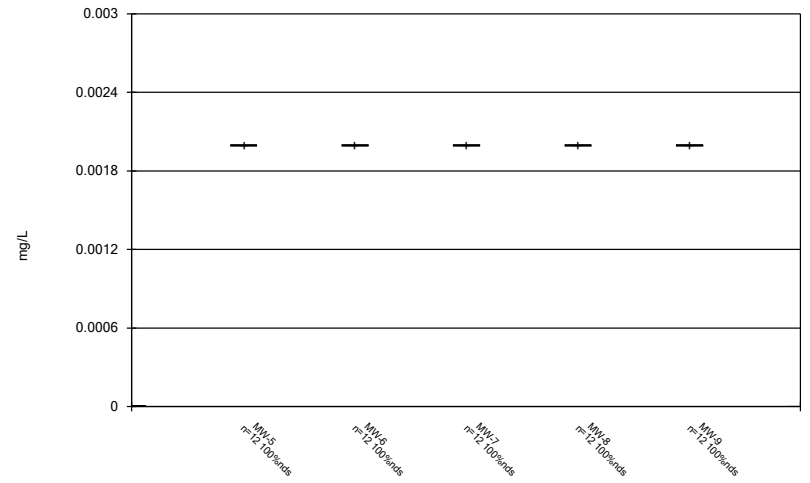
FIGURE B.

Box & Whiskers Plot



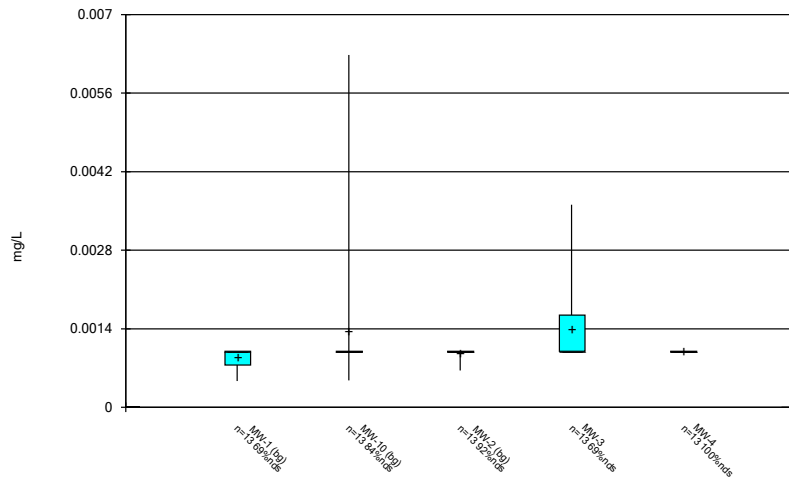
Constituent: Antimony Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



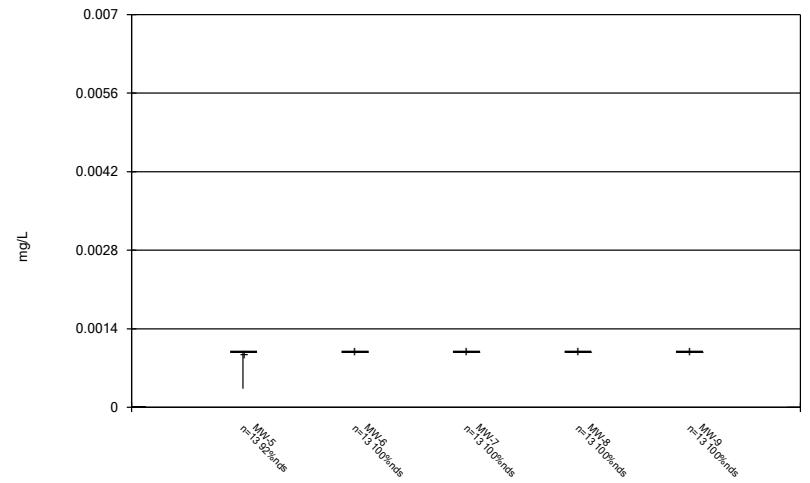
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



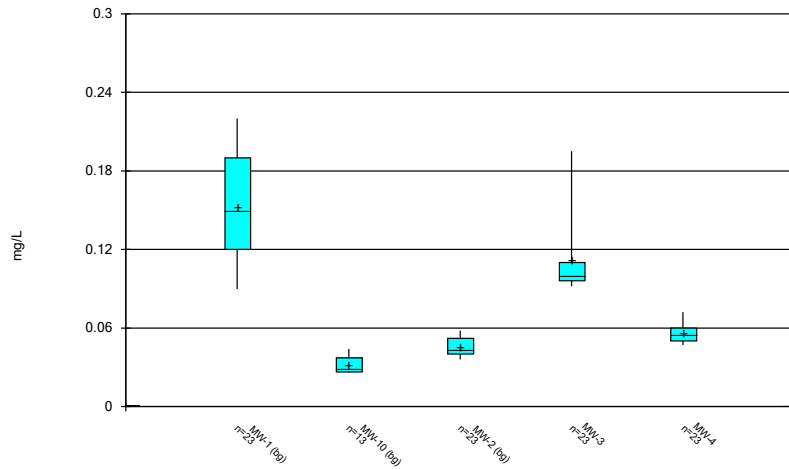
Constituent: Arsenic Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



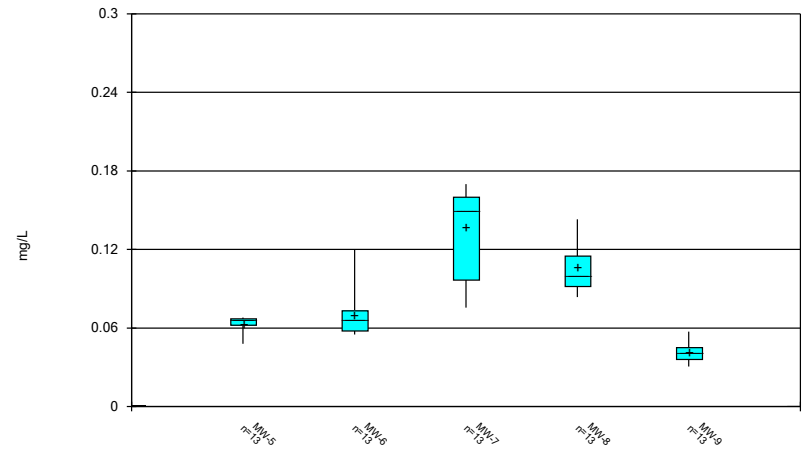
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



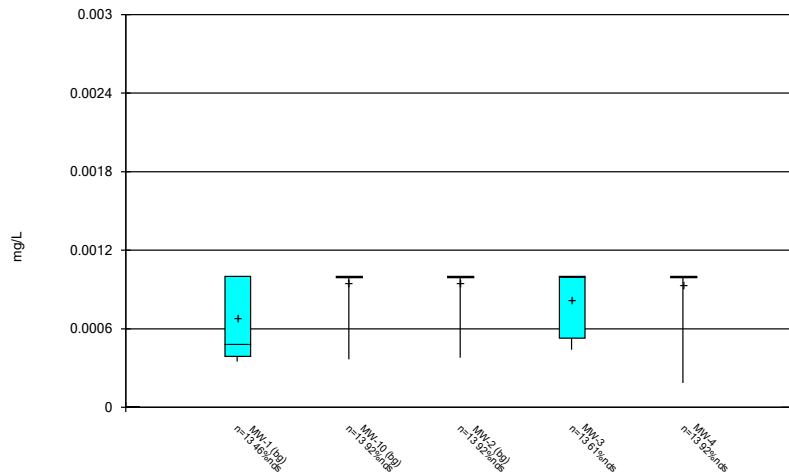
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



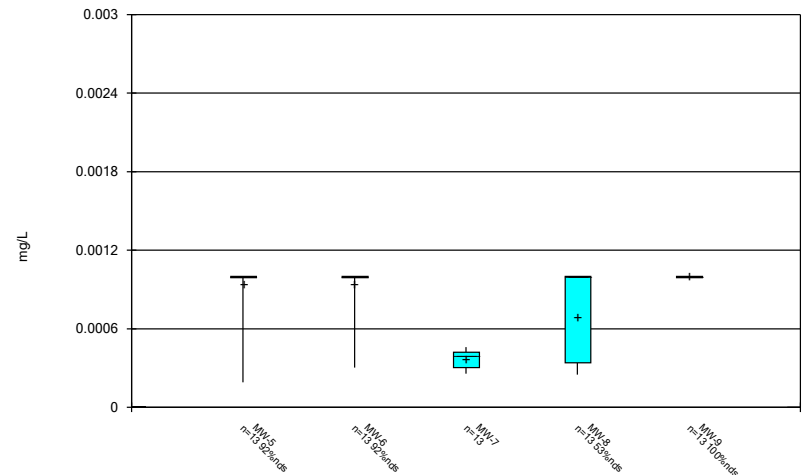
Constituent: Barium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



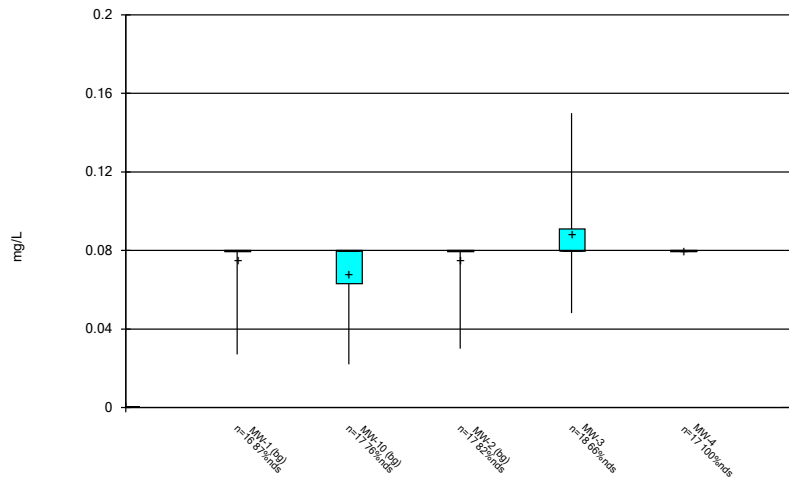
Constituent: Beryllium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



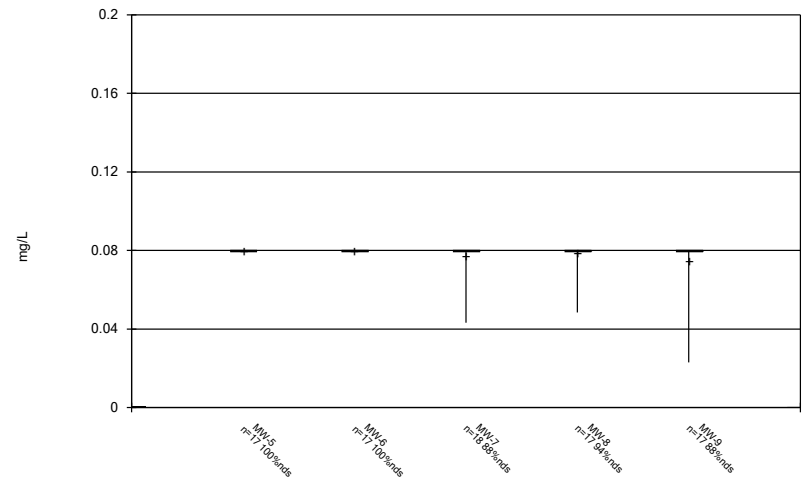
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



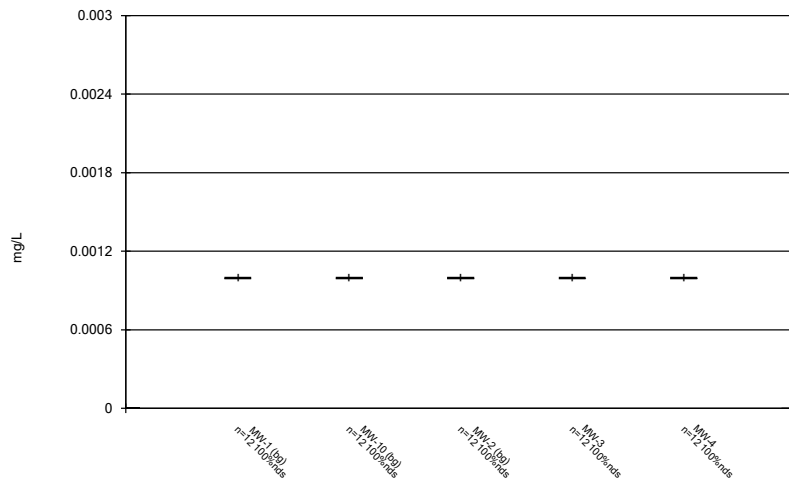
Constituent: Boron Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



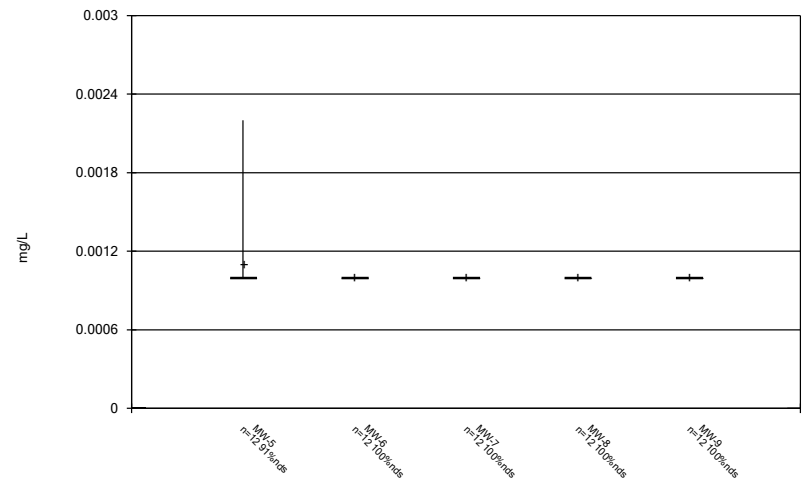
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



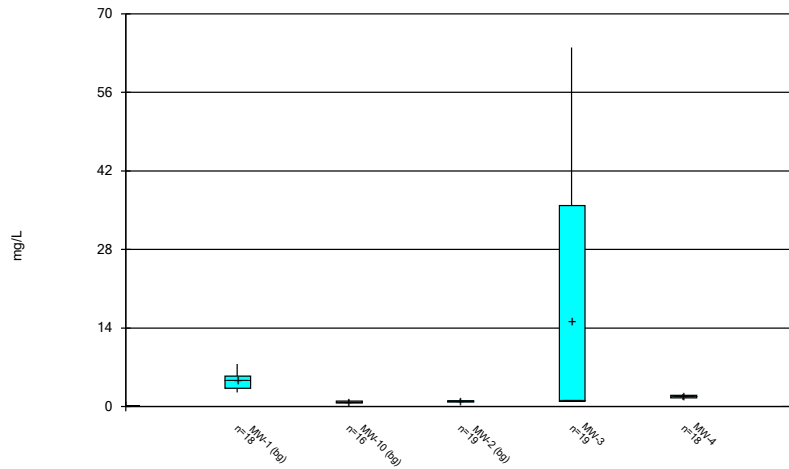
Constituent: Cadmium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



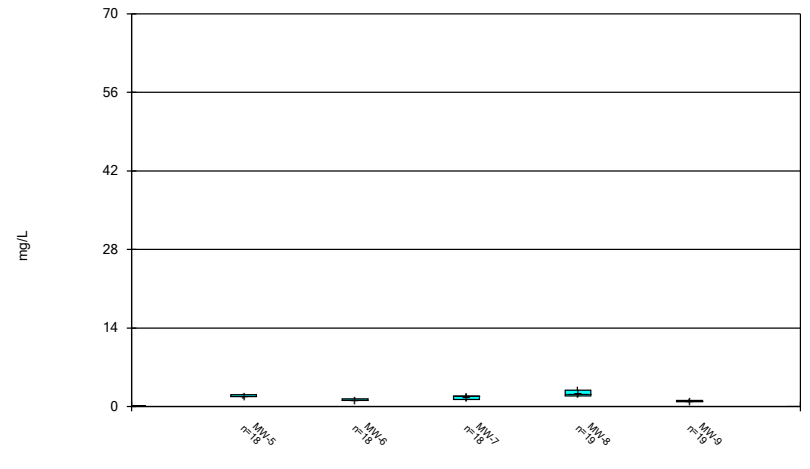
Constituent: Cadmium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



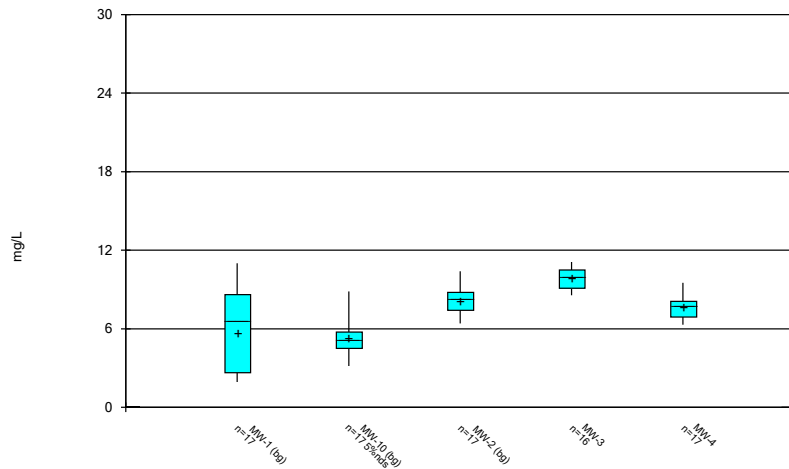
Constituent: Calcium Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



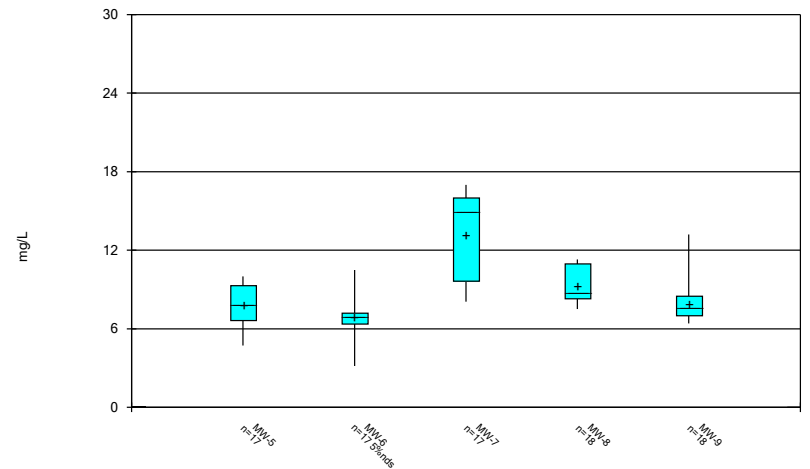
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



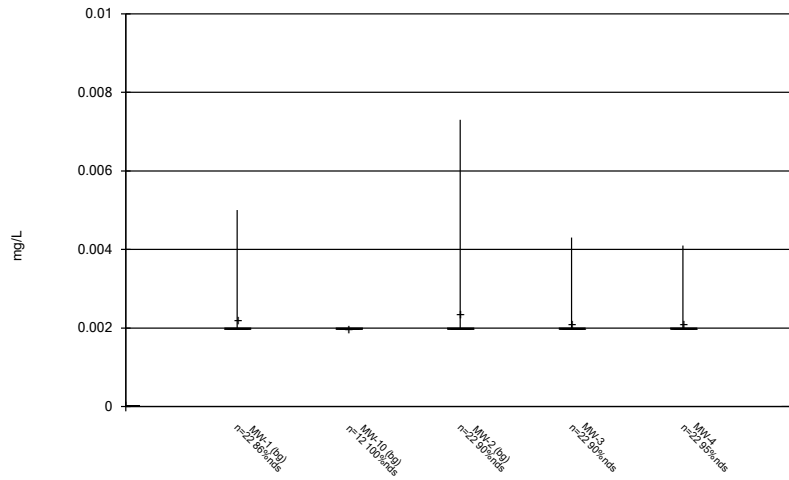
Constituent: Chloride Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



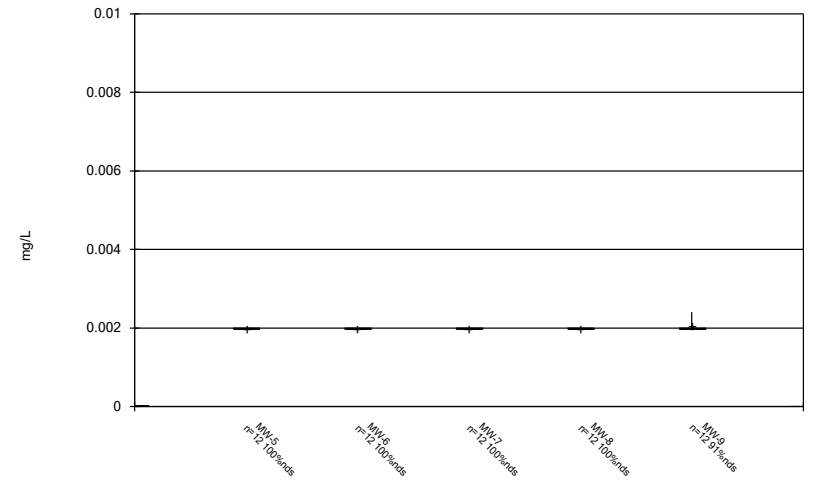
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



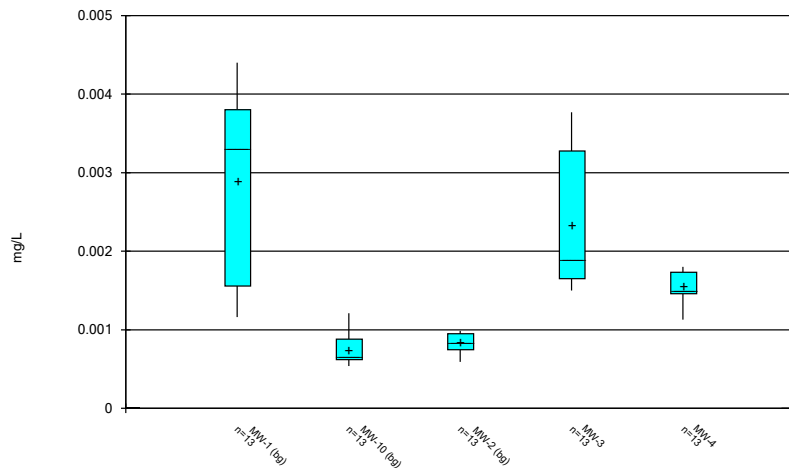
Constituent: Chromium Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



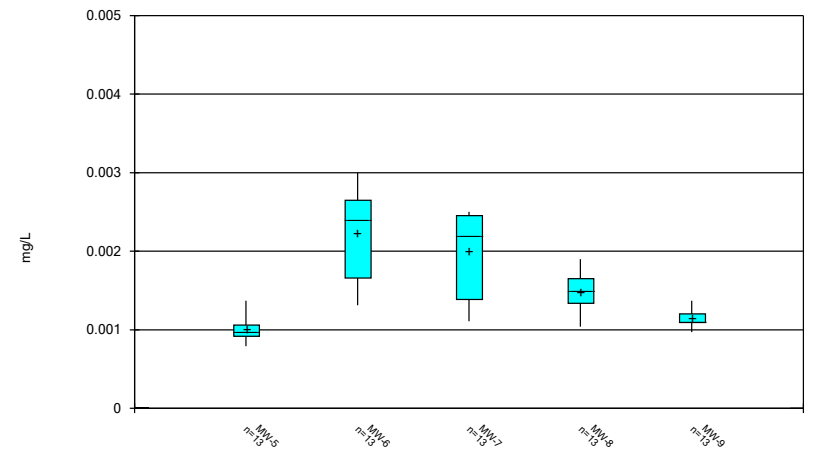
Constituent: Chromium Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



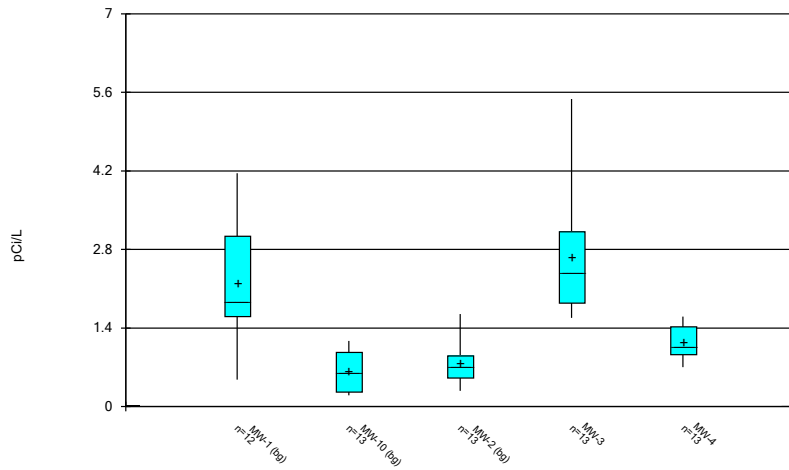
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



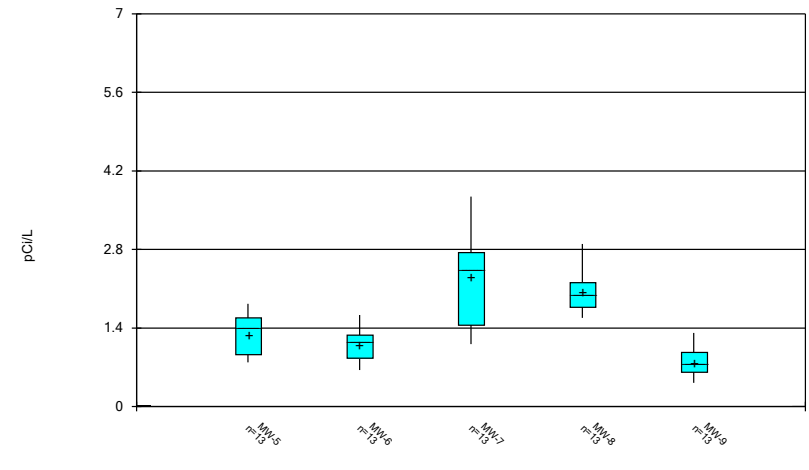
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



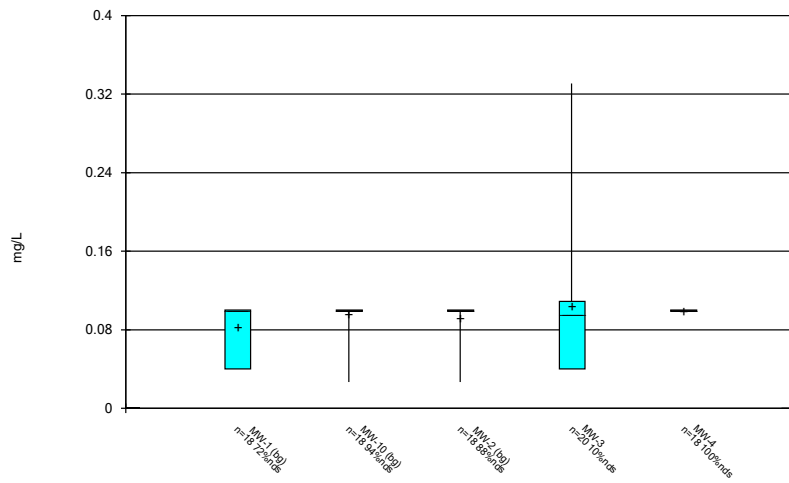
Constituent: Combined Radium 226 + 228 Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



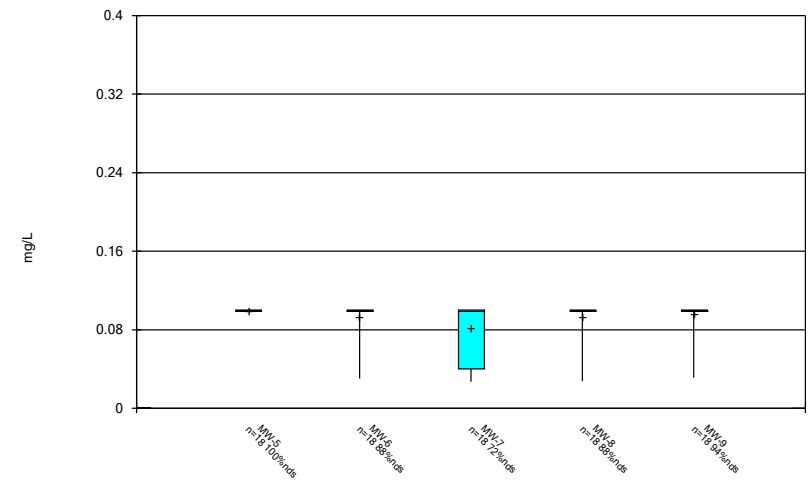
Constituent: Combined Radium 226 + 228 Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



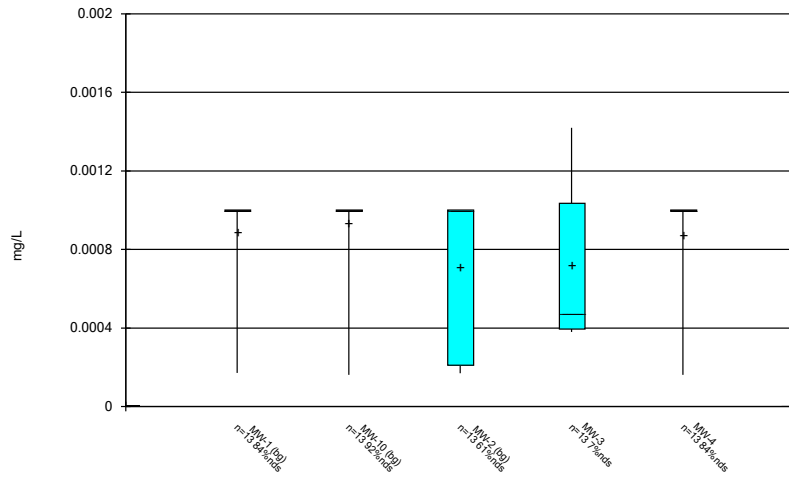
Constituent: Fluoride Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



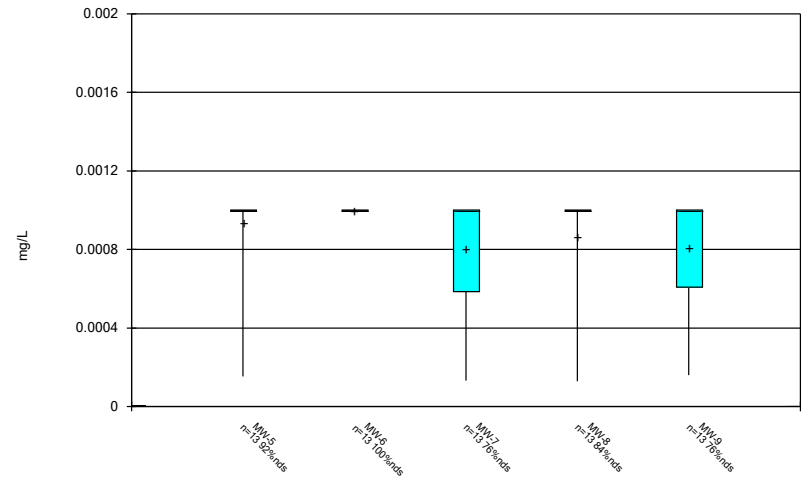
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



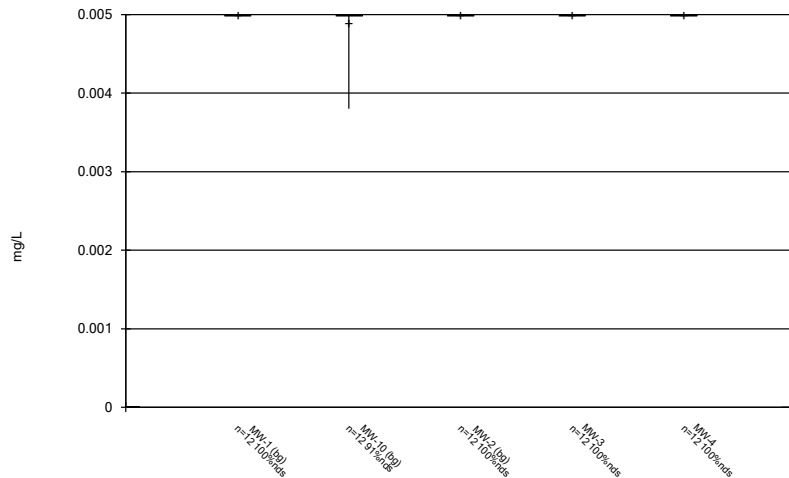
Constituent: Lead Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



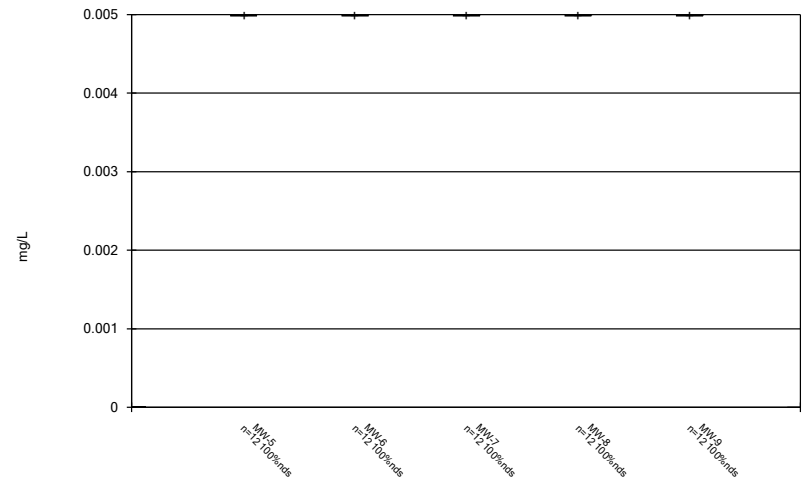
Constituent: Lead Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



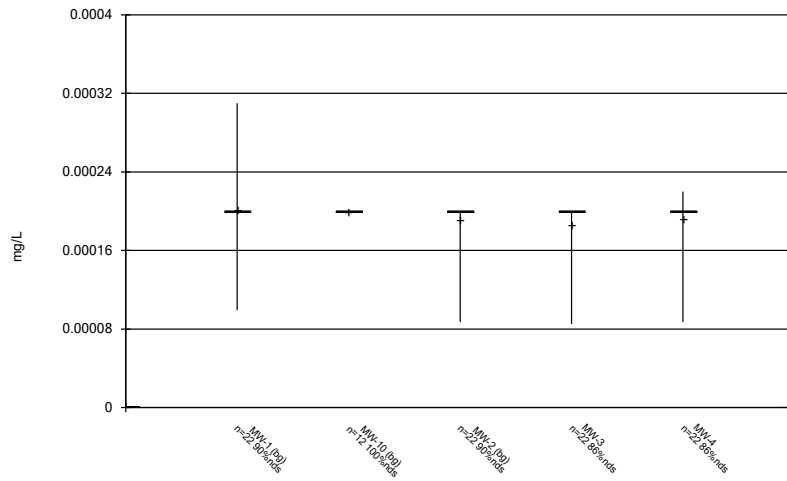
Constituent: Lithium Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



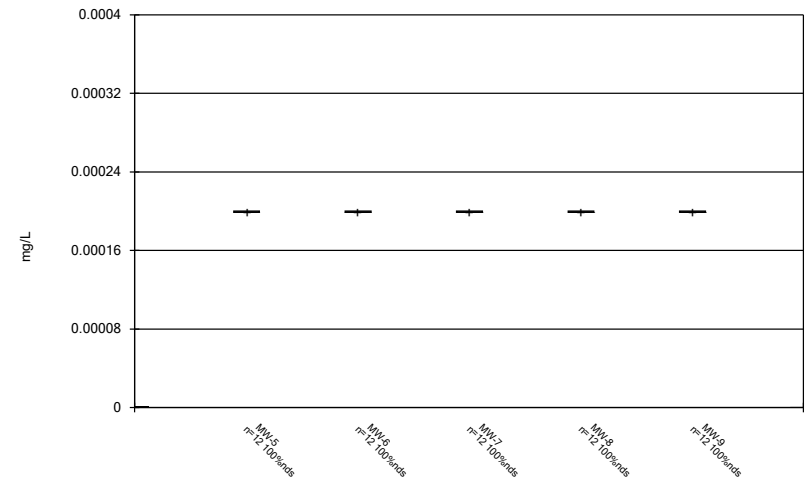
Constituent: Lithium Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



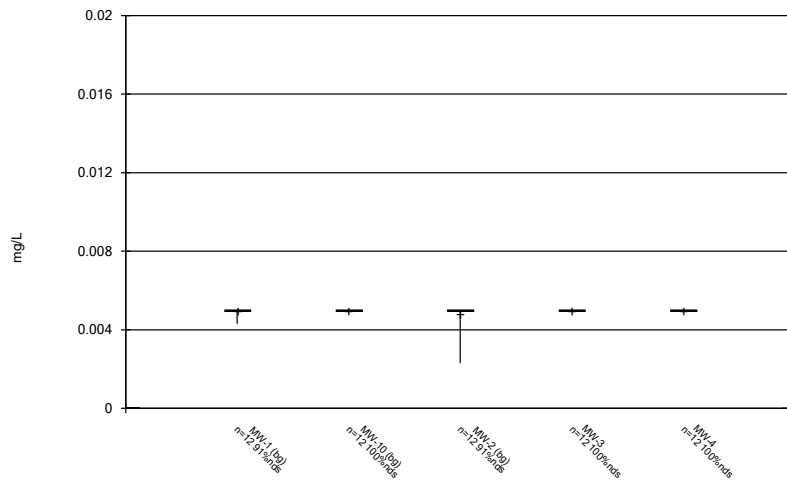
Constituent: Mercury Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



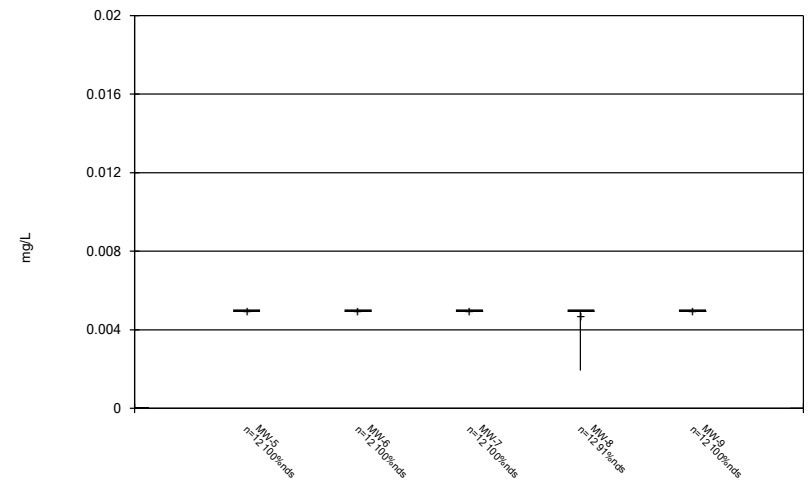
Constituent: Mercury Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



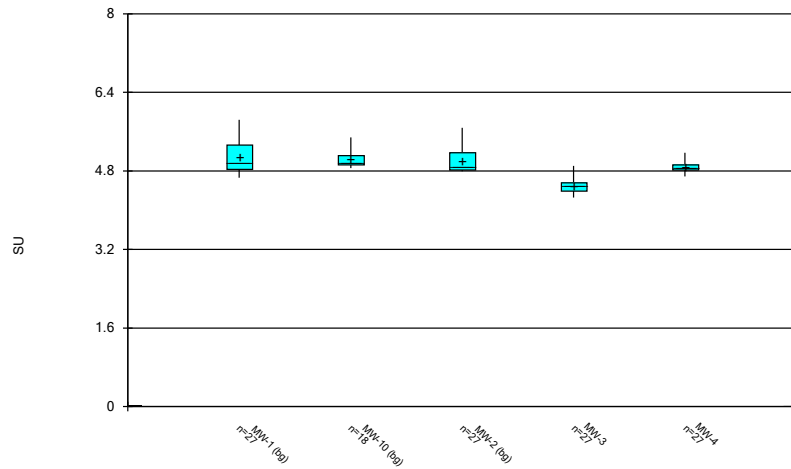
Constituent: Molybdenum Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



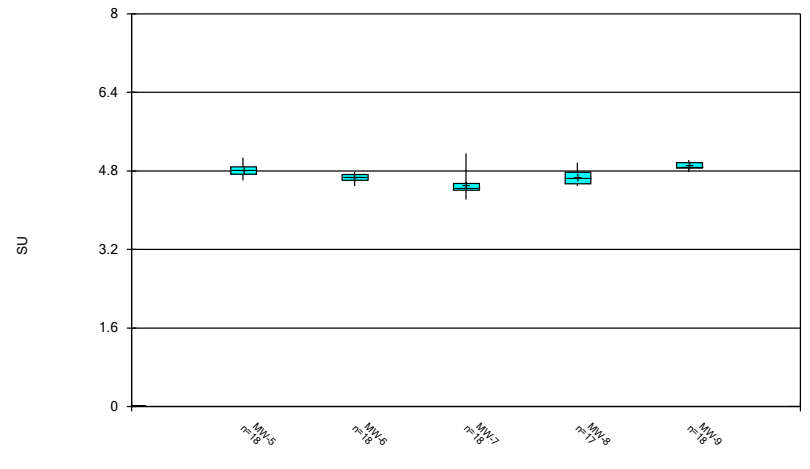
Constituent: Molybdenum Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



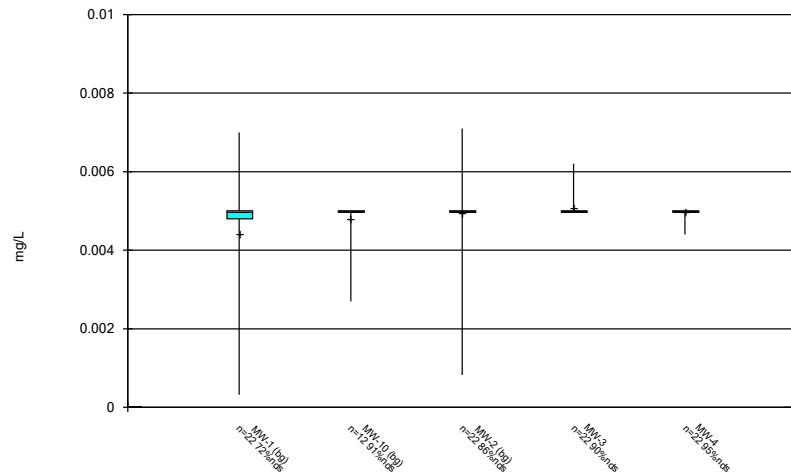
Constituent: pH Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



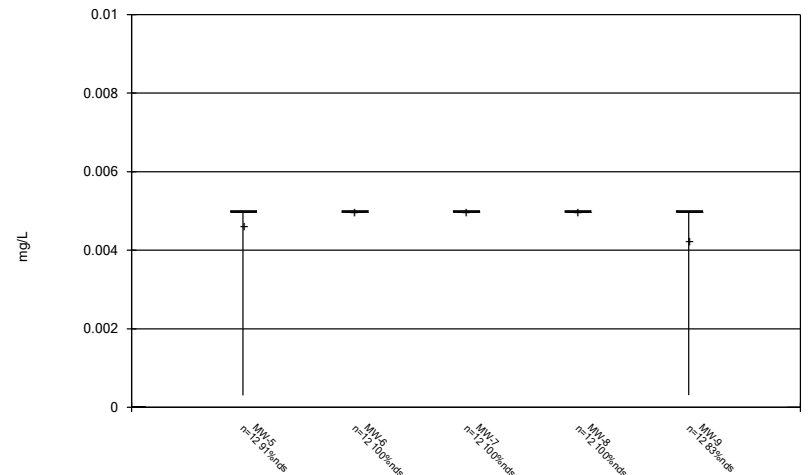
Constituent: pH Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



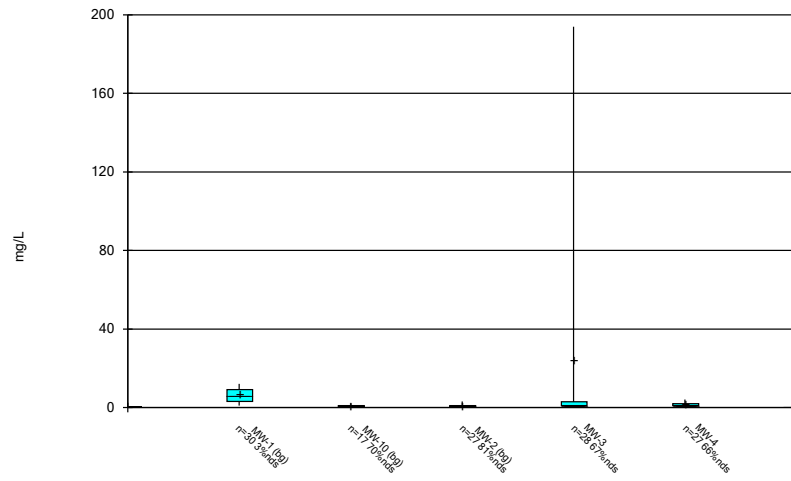
Constituent: Selenium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



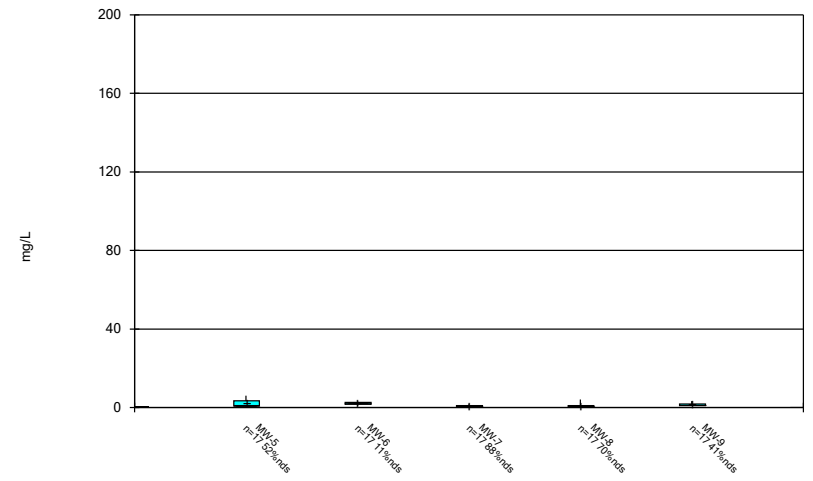
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



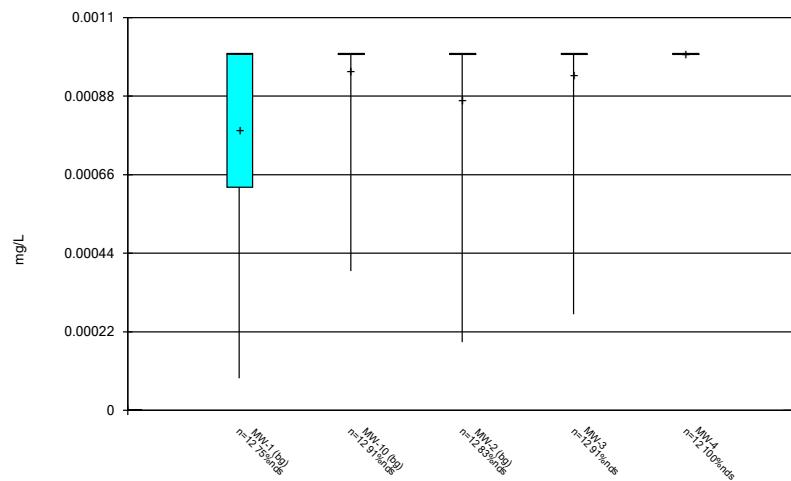
Constituent: Sulfate Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



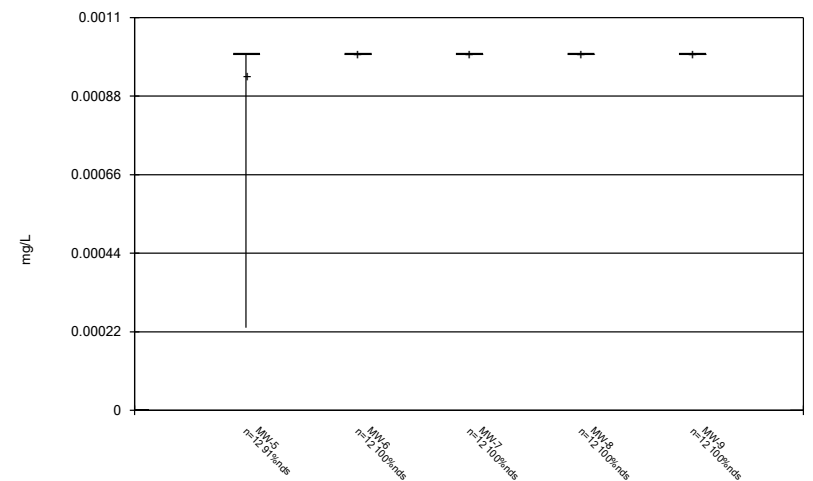
Constituent: Sulfate Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



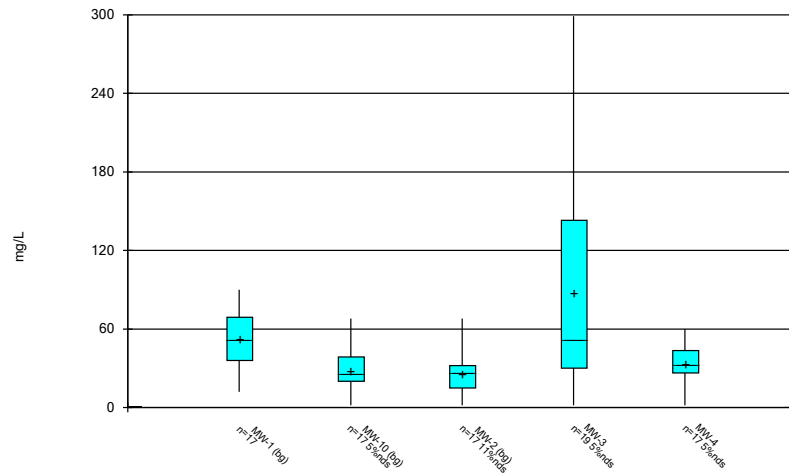
Constituent: Thallium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



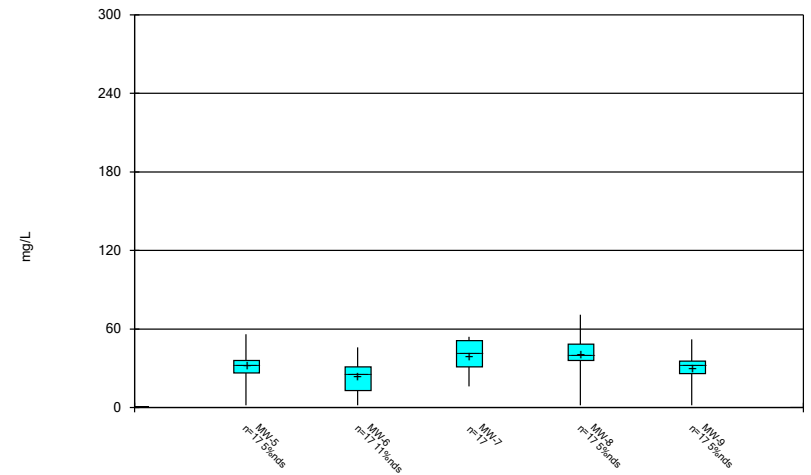
Constituent: Thallium Analysis Run 12/23/2021 3:40 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/23/2021 3:40 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

FIGURE C.

Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 3:59 PM

	MW-1 Boron (mg/L)	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)			6.64 (o)		
5/16/2016		2.9 (o)					
9/13/2016	0.055 (o)						
5/23/2017					7.14 (o)		
11/7/2018			25 (o)				
4/19/2019		6.3 (o)					19.5 (o)

FIGURE D.

Appendix III - Intra Well Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	10/6/2021	4.54	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	10/6/2021	2.38	Yes	12	1.787	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	10/6/2021	8.86	Yes	12	4.872	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	10/6/2021	10.4	Yes	12	7.748	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	10/6/2021	10.5	Yes	12	6.483	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	10/6/2021	8.56	Yes	12	7.204	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	10/6/2021	0.11	Yes	12	n/a	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/6/2021	2.93	Yes	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	10/6/2021	6.05	Yes	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	10/6/2021	4.11	Yes	12	n/a	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2

Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	10/6/2021	0.0603J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	10/6/2021	0.0634J	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.05	n/a	10/6/2021	0.0481J	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	10/6/2021	0.08ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	8.486	n/a	10/6/2021	2.49	No	12	5.338	1.285	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.317	n/a	10/6/2021	1.16	No	10	0.766	0.2101	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.291	n/a	10/6/2021	1.04	No	13	0.8832	0.1696	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/6/2021	4.54	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.392	n/a	10/6/2021	1.22	No	12	1.765	0.2561	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.514	n/a	10/6/2021	1.34	No	12	1.983	0.2167	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.619	n/a	10/6/2021	1.5	No	12	1.208	0.1679	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.241	n/a	10/6/2021	2.38	Yes	12	1.787	0.1857	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.407	n/a	10/6/2021	2.11	No	12	2.224	0.4831	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.211	n/a	10/6/2021	0.748	No	13	0.9415	0.1124	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	13.99	n/a	10/6/2021	2.22	No	12	7.079	2.822	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	6.981	n/a	10/6/2021	8.86	Yes	12	4.872	0.8614	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	9.666	n/a	10/6/2021	10.4	Yes	12	7.748	0.783	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.84	n/a	10/6/2021	11.1	No	11	10.08	0.6972	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	10.27	n/a	10/6/2021	6.88	No	12	7.71	1.044	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.23	n/a	10/6/2021	4.72	No	12	8.514	1.108	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	9.273	n/a	10/6/2021	10.5	Yes	12	6.483	1.14	8.333	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-7	19.33	n/a	10/6/2021	9.75	No	12	14.88	1.814	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	11.59	n/a	10/6/2021	7.5	No	12	9.075	1.026	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	8.442	n/a	10/6/2021	8.56	Yes	12	7.204	0.5056	0	None	No	0.001075	Param Intra 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	10/6/2021	0.0269J	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.108	n/a	10/6/2021	0.11	Yes	12	n/a	n/a	16.67	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	10/6/2021	0.0317J	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	10/6/2021	0.0458J	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	10/6/2021	0.1ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.85	4.477	10/6/2021	4.9	No	21	5.164	0.3203	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.527	4.623	10/6/2021	5.03	No	12	5.075	0.1847	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	10/6/2021	4.89	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.806	4.214	10/6/2021	4.36	No	21	4.51	0.1382	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.135	4.628	10/6/2021	4.77	No	21	4.881	0.1183	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.513	10/6/2021	5.05	No	13	4.798	0.119	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.838	4.466	10/6/2021	4.56	No	12	4.652	0.0759	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/6/2021	4.35	No	12	n/a	n/a	0	n/a	n/a	0.02155	NP Intra (normality) 1 of 2
pH (SU)	MW-8	5.04	4.257	10/6/2021	4.86	No	11	4.648	0.1544	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.078	4.762	10/6/2021	4.98	No	12	4.92	0.06439	0	None	No	0.0005373	Param Intra 1 of 2

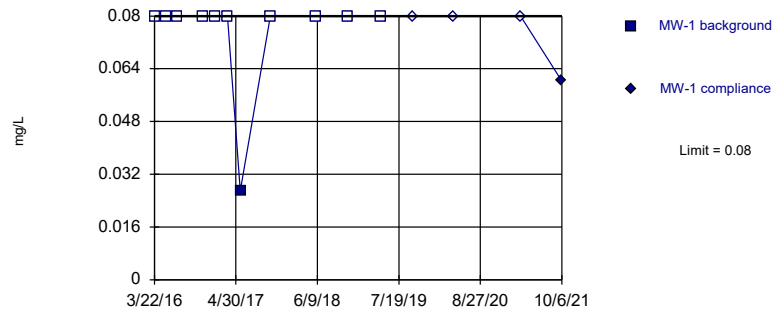
Appendix III - Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:23 PM

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	14.08	n/a	10/6/2021	10.3	No	9	8.5	2.013	11.11	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/6/2021	1ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	10/6/2021	1ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/6/2021	2.93	Yes	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	10/6/2021	1.97	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	5	n/a	10/6/2021	6.05	Yes	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	3.559	n/a	10/6/2021	0.802J	No	12	2.336	0.4993	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1	n/a	10/6/2021	1ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	1.4	n/a	10/6/2021	4.11	Yes	12	n/a	n/a	83.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.344	n/a	10/6/2021	2.4	No	12	1.114	0.1559	50	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	118.8	n/a	10/6/2021	51	No	12	55.5	25.84	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	71.38	n/a	10/6/2021	39	No	12	28.04	17.7	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	66.3	n/a	10/6/2021	35	No	12	22.33	17.96	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	91.32	n/a	10/6/2021	80	No	12	36.39	22.43	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	73.02	n/a	10/6/2021	33	No	12	32.96	16.36	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	66.18	n/a	10/6/2021	27	No	12	32.31	13.83	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	48.08	n/a	10/6/2021	38	No	12	19.49	11.68	16.67	Kaplan-Meier	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	71.5	n/a	10/6/2021	53	No	12	39.33	13.14	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	82.12	n/a	10/6/2021	36	No	12	37.96	18.03	8.333	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	60.73	n/a	10/6/2021	37	No	12	29.46	12.77	8.333	None	No	0.001075	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

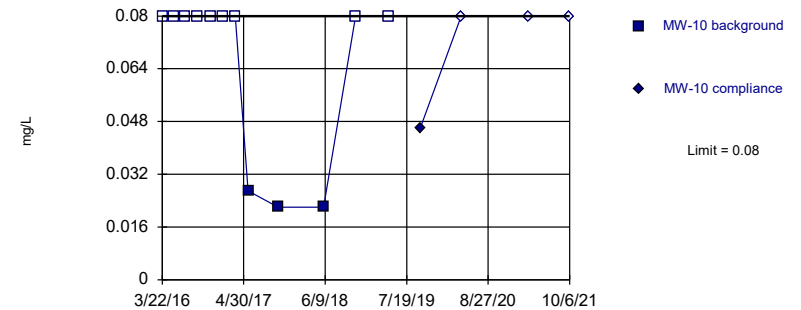


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

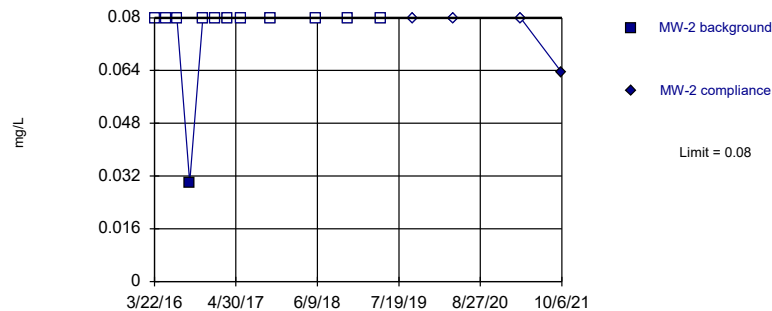


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

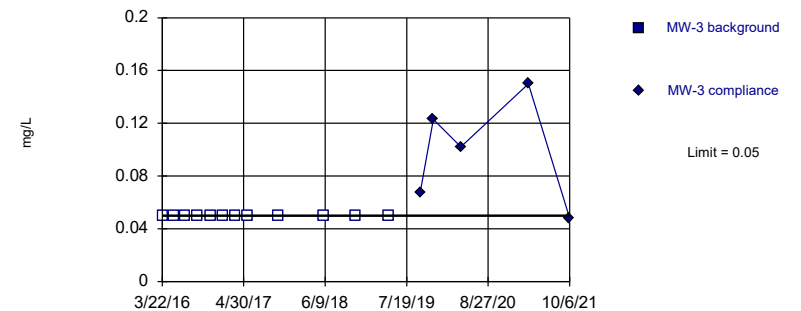


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

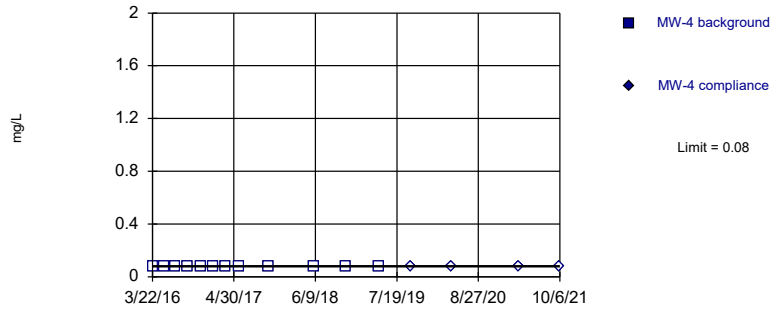


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

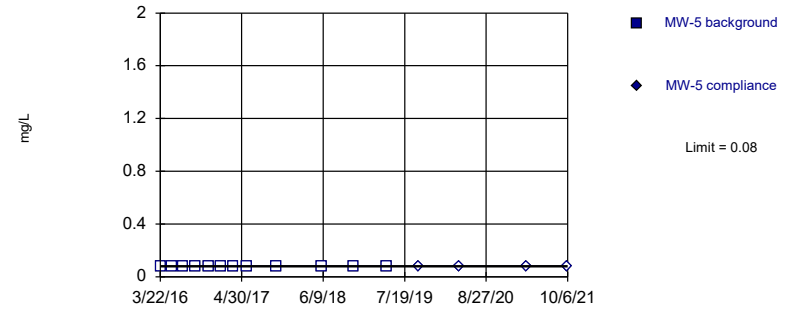


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

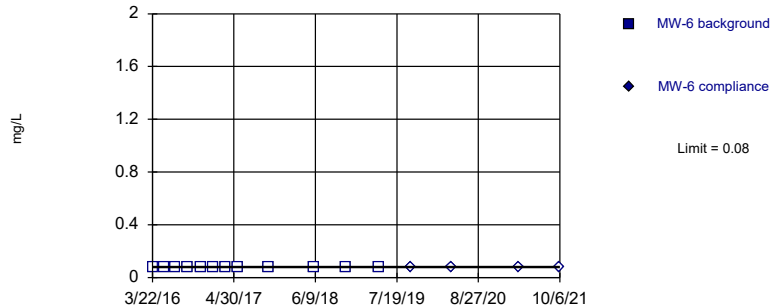


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

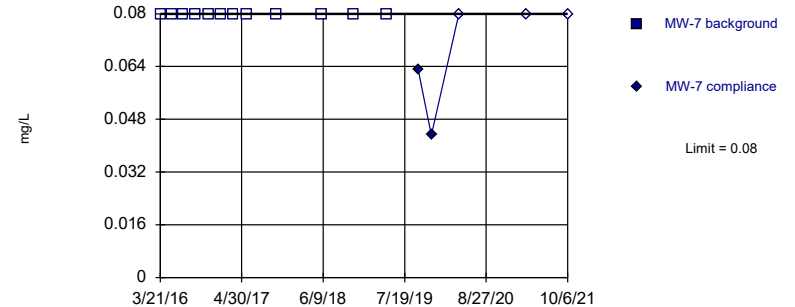


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

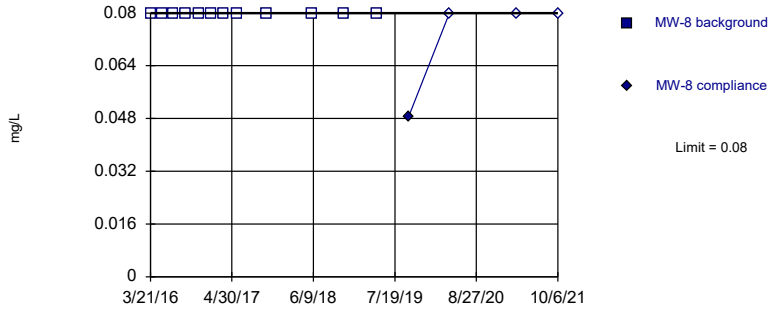


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

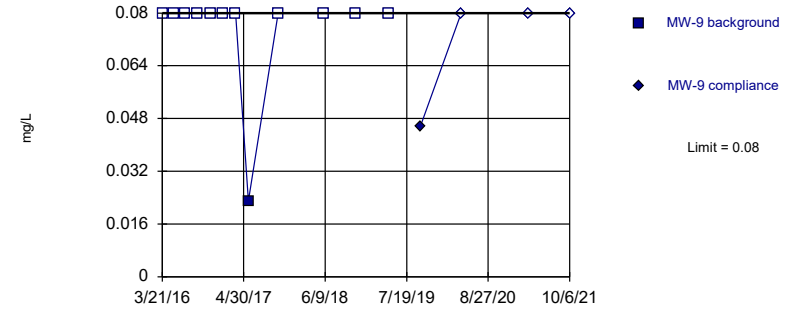


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

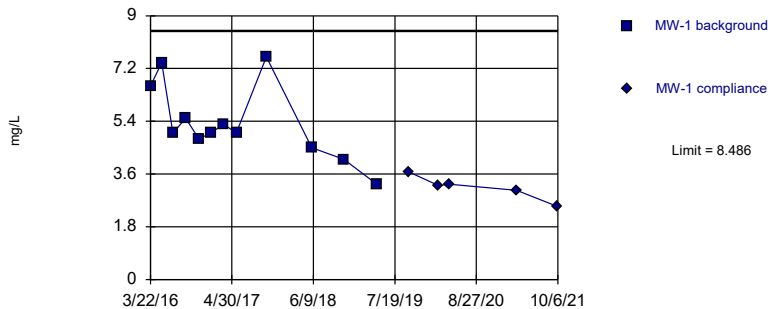


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Boron Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

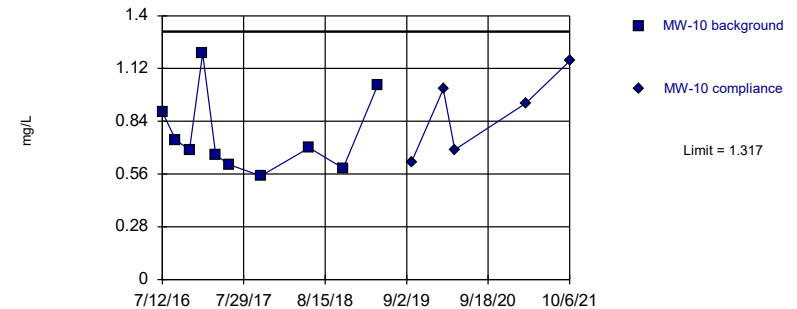


Background Data Summary: Mean=5.338, Std. Dev.=1.285, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

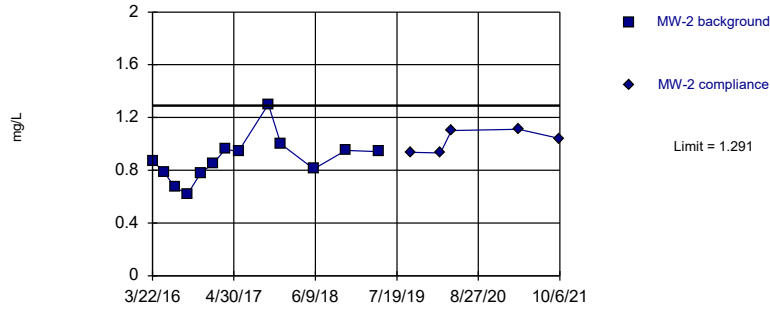


Background Data Summary: Mean=0.766, Std. Dev.=0.2101, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.781. Kappa = 2.621 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

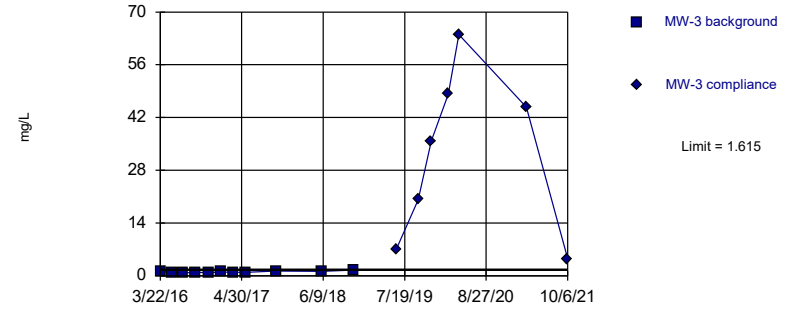


Background Data Summary: Mean=0.8832, Std. Dev.=0.1696, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.814. Kappa = 2.402 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

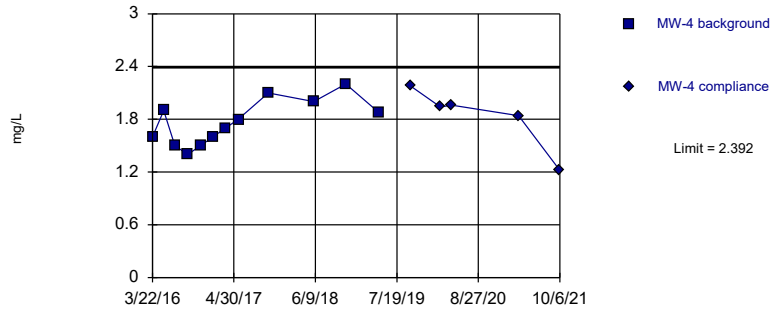


Background Data Summary: Mean=1.044, Std. Dev.=0.2254, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

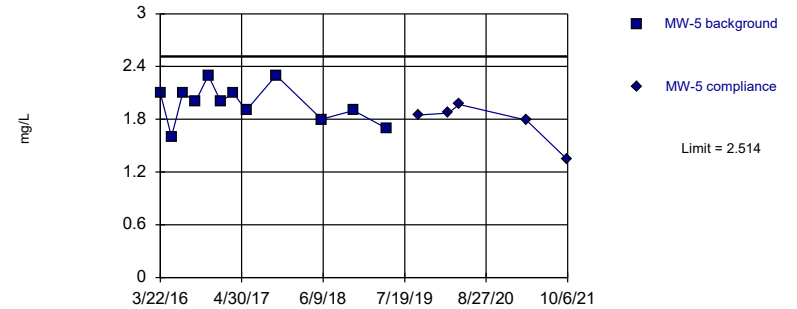


Background Data Summary: Mean=1.765, Std. Dev.=0.2561, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9575, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

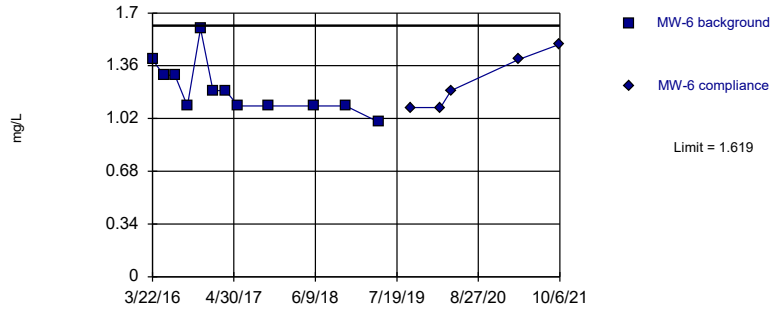


Background Data Summary: Mean=1.983, Std. Dev.=0.2167, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9574, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

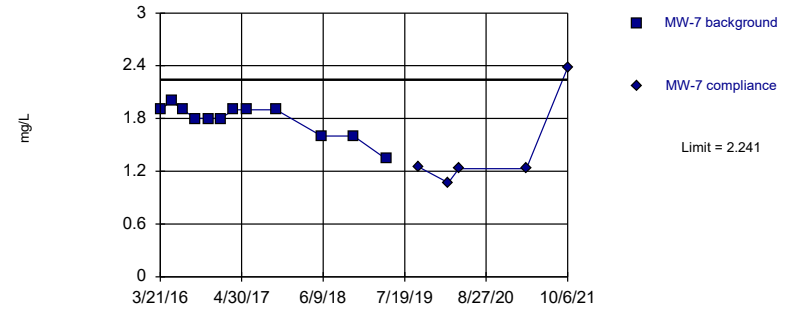


Background Data Summary: Mean=1.208, Std. Dev.=0.1679, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8731, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

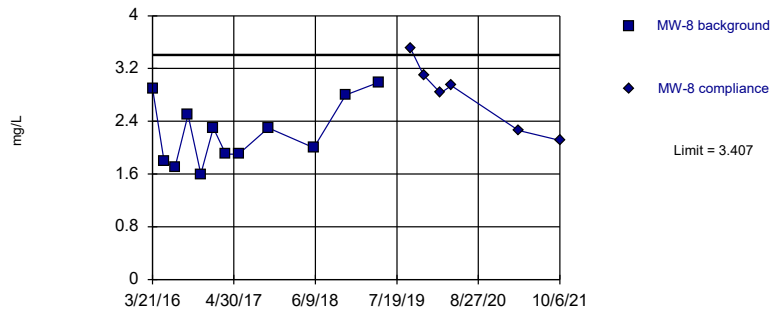


Background Data Summary: Mean=1.787, Std. Dev.=0.1857, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8253, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

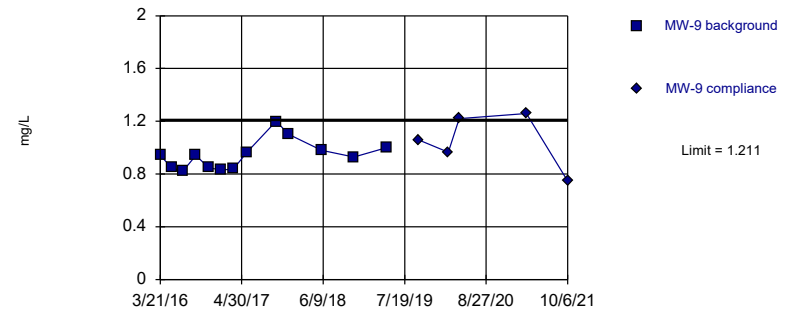


Background Data Summary: Mean=2.224, Std. Dev.=0.4831, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:03 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

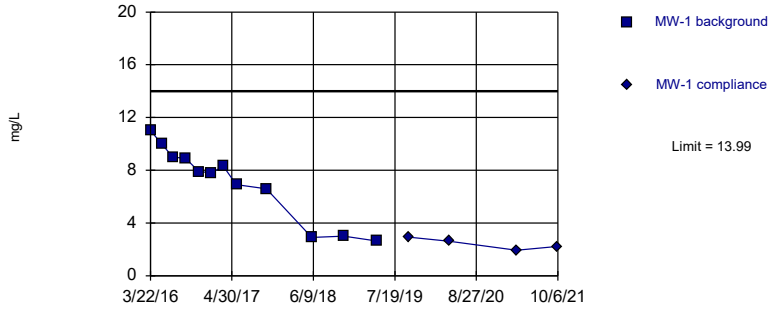


Background Data Summary: Mean=0.9415, Std. Dev.=0.1124, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8878, critical = 0.814. Kappa = 2.402 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

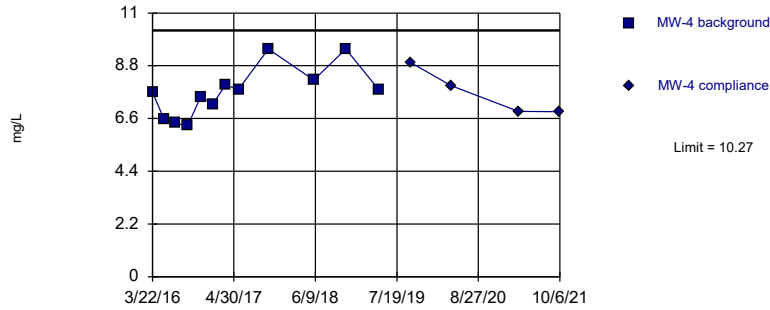
Within Limit

Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

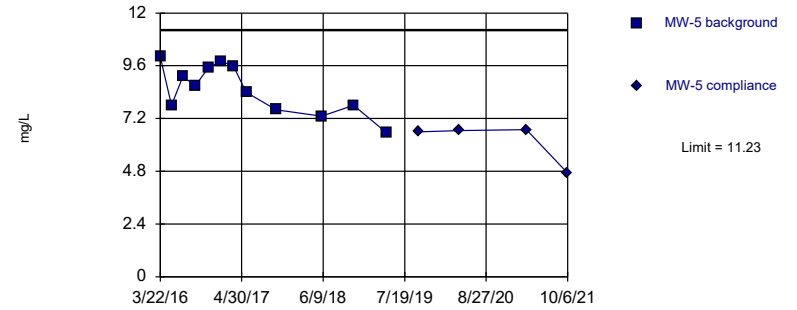


Background Data Summary: Mean=7.71, Std. Dev.=1.044, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9178, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

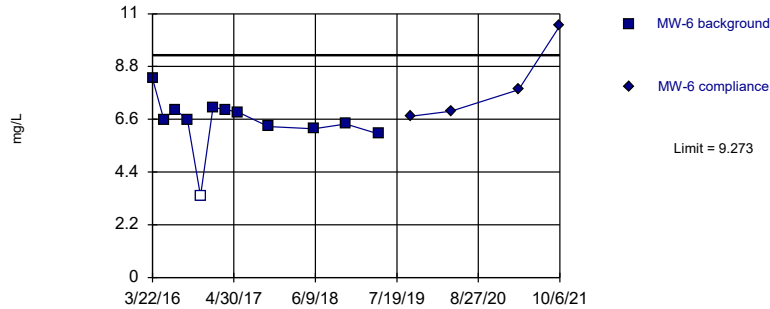


Background Data Summary: Mean=8.514, Std. Dev.=1.108, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

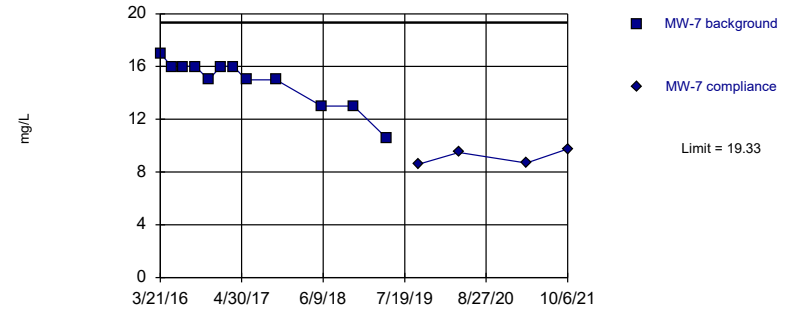


Background Data Summary: Mean=6.483, Std. Dev.=1.14, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8076, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

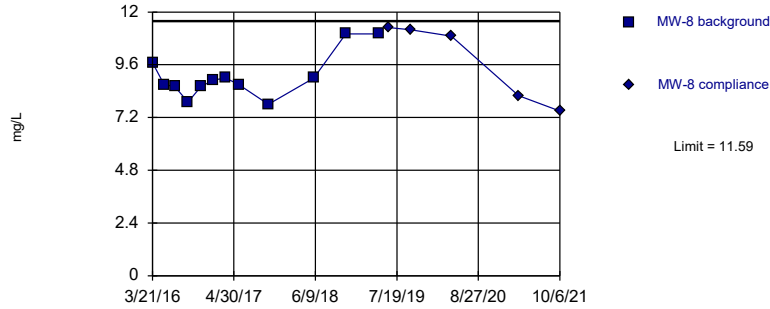


Background Data Summary: Mean=14.88, Std. Dev.=1.814, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8317, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

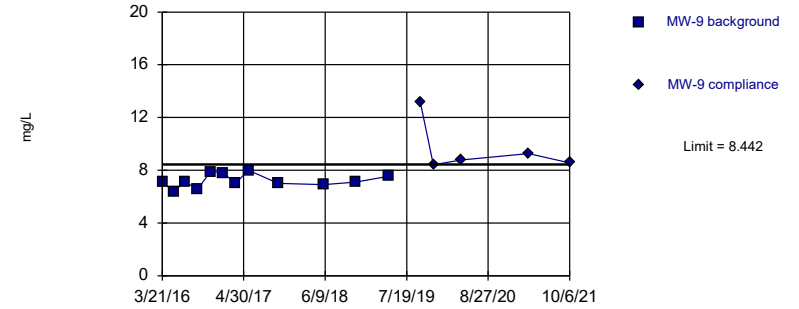


Background Data Summary: Mean=9.075, Std. Dev.=1.026, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8502, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

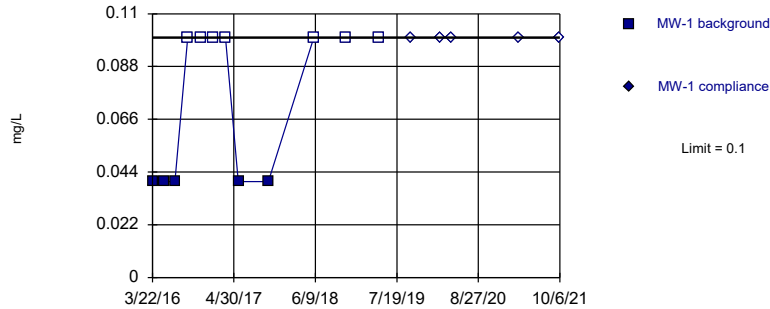


Background Data Summary: Mean=7.204, Std. Dev.=0.5056, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9285, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

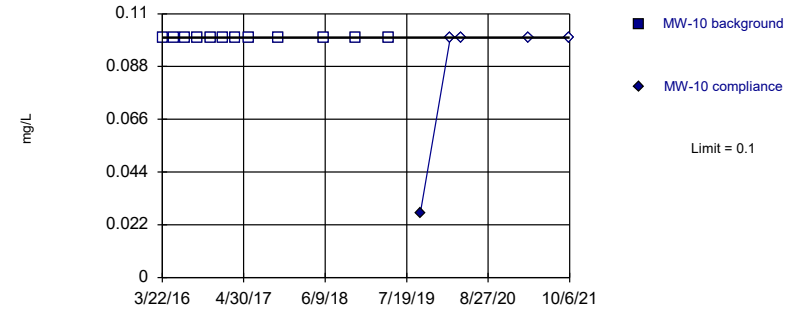


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

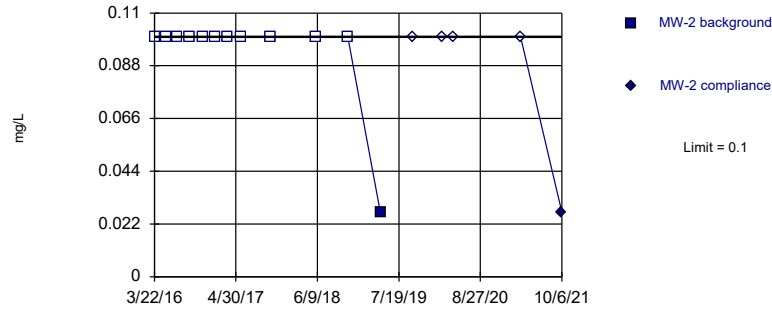


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

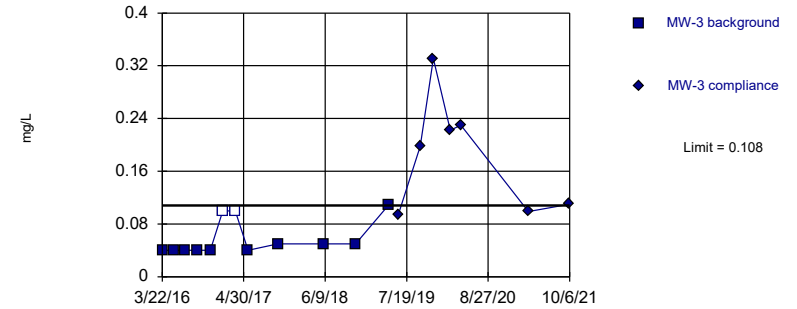


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

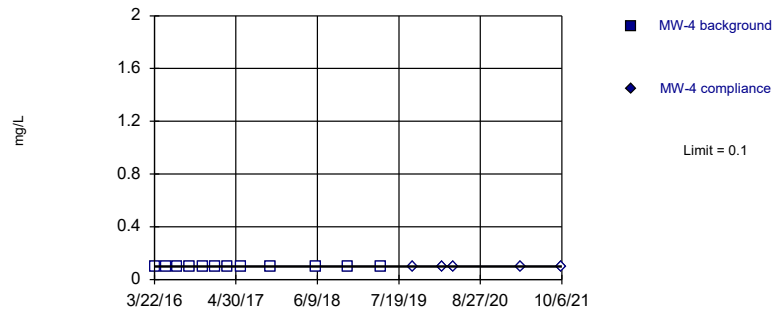


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 12 background values. 16.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

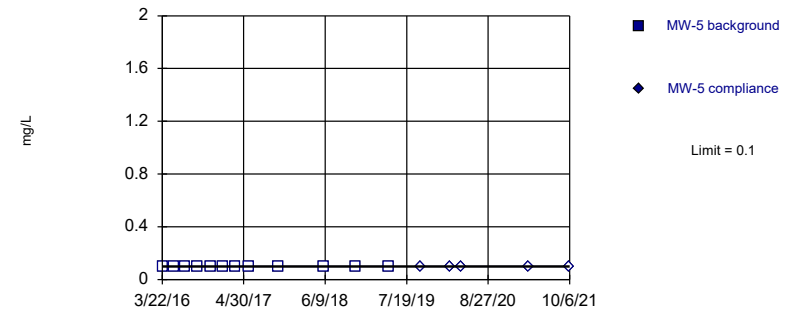


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

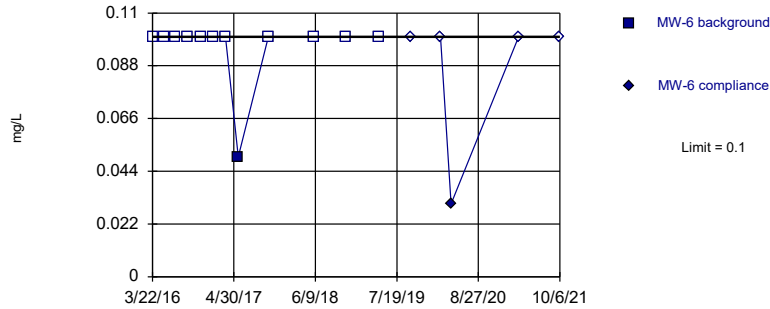


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

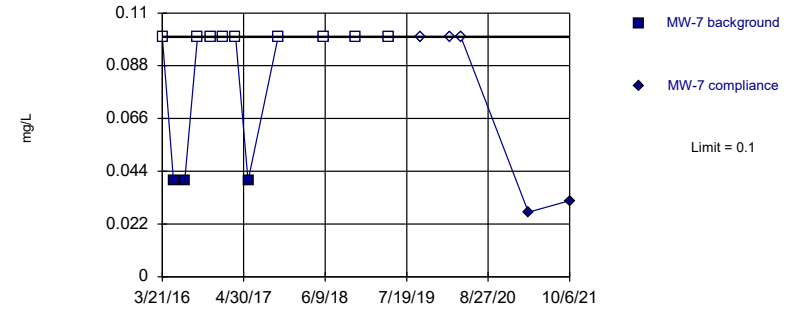


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

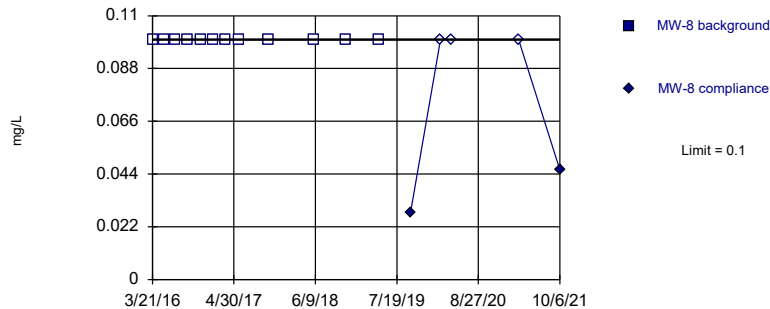


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

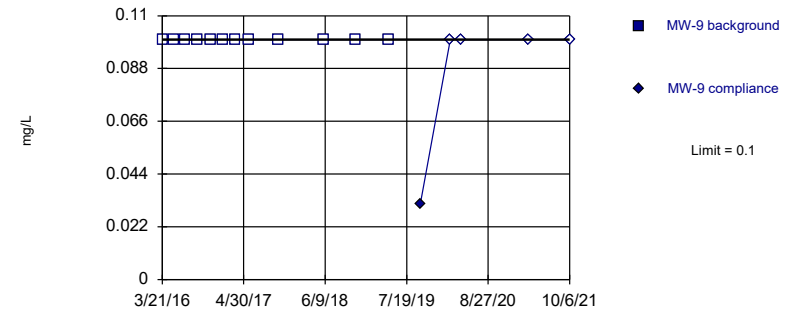


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

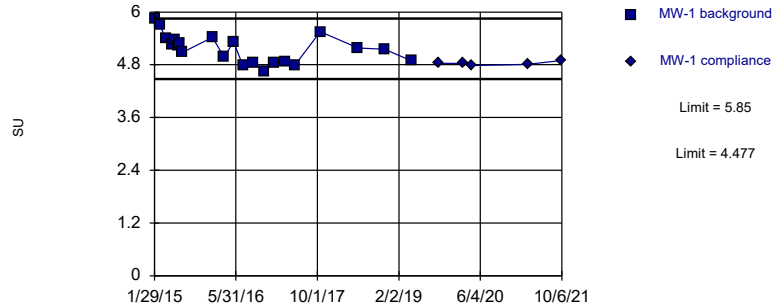


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Fluoride Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

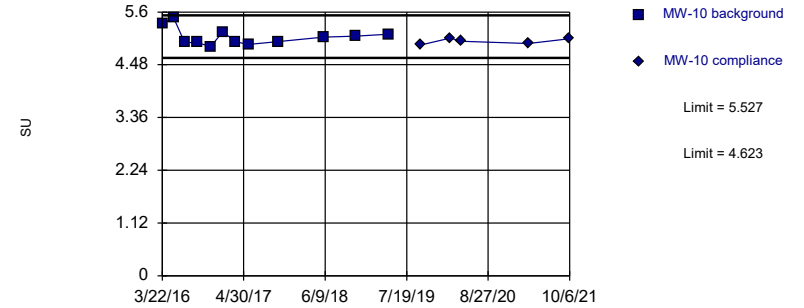


Background Data Summary: Mean=5.164, Std. Dev.=0.3203, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9637, critical = 0.873. Kappa = 2.143 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

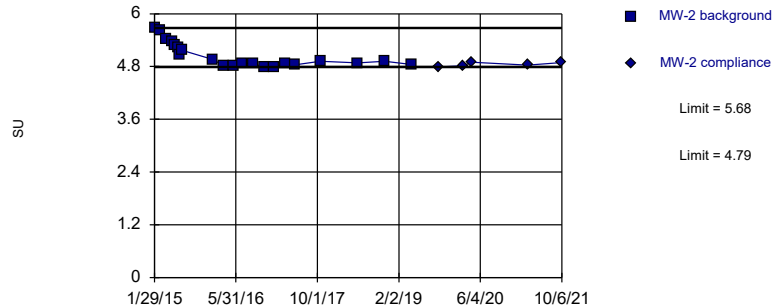


Background Data Summary: Mean=5.075, Std. Dev.=0.1847, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8934, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

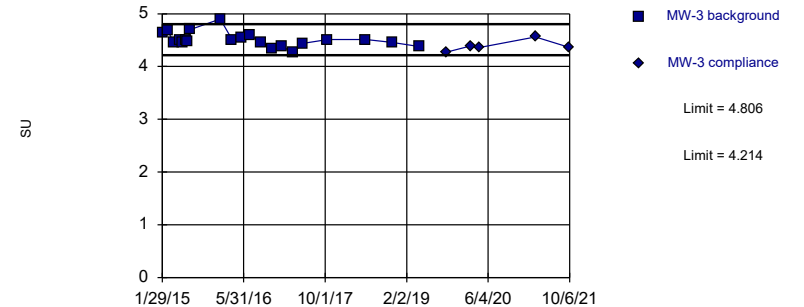


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

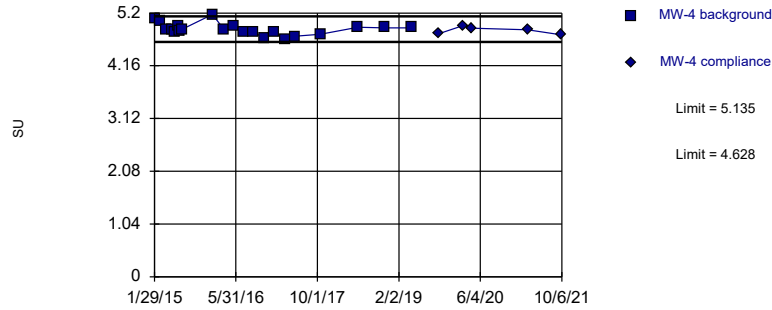


Background Data Summary: Mean=4.51, Std. Dev.=0.1382, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9241, critical = 0.873. Kappa = 2.143 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

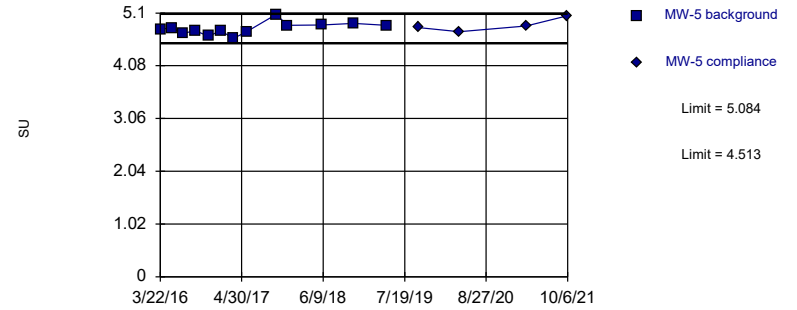


Background Data Summary: Mean=4.881, Std. Dev.=0.1183, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9469, critical = 0.873. Kappa = 2.143 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

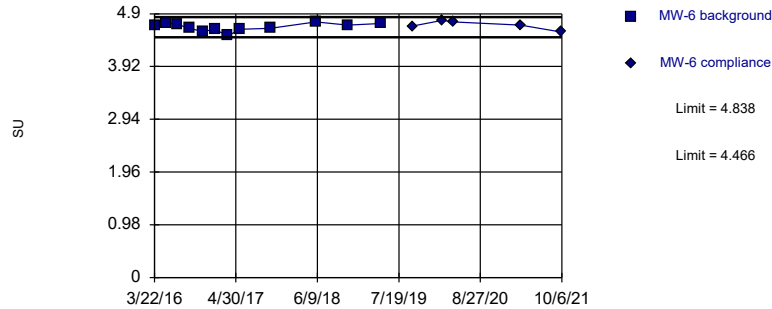


Background Data Summary: Mean=4.798, Std. Dev.=0.119, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.814. Kappa = 2.402 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

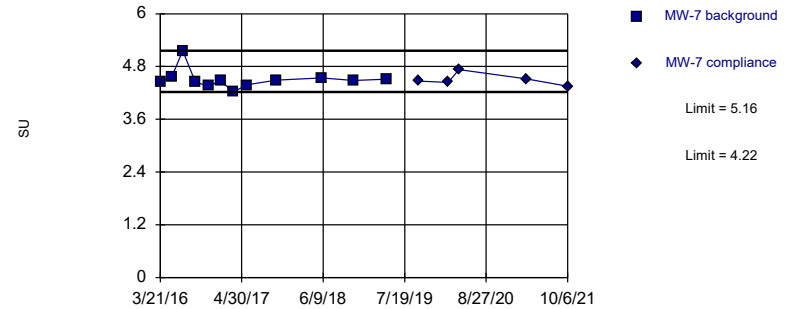


Background Data Summary: Mean=4.652, Std. Dev.=0.0759, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9417, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

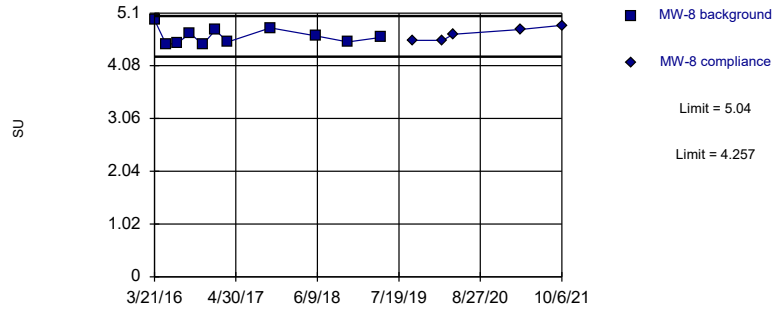


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 12 background values. Well-constituent pair annual alpha = 0.04286. Individual comparison alpha = 0.02155 (1 of 2).

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

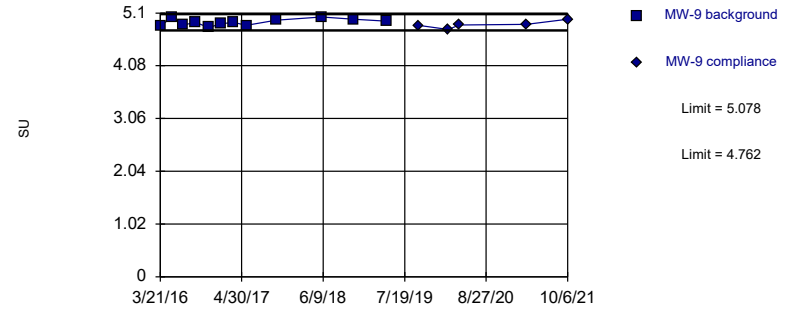


Background Data Summary: Mean=4.648, Std. Dev.=0.1544, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

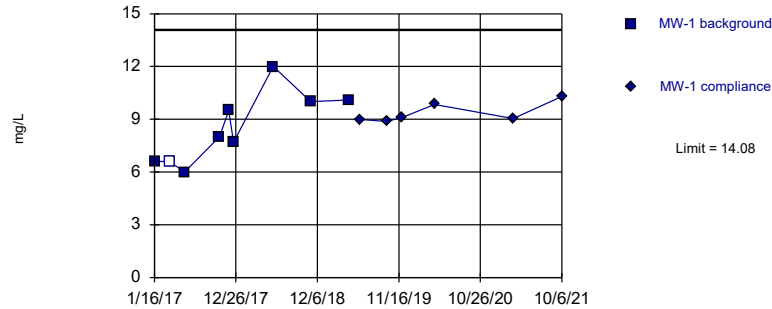


Background Data Summary: Mean=4.92, Std. Dev.=0.06439, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9648, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

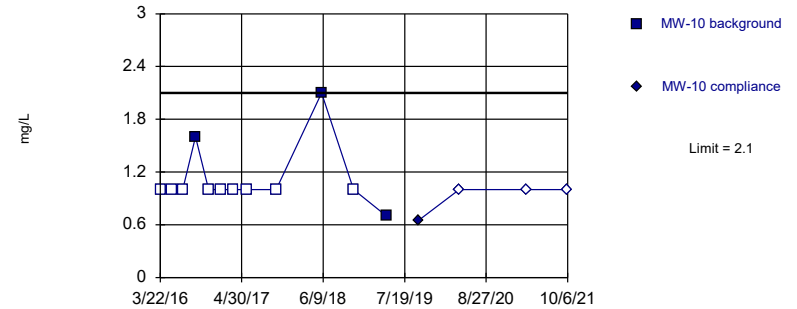


Background Data Summary: Mean=8.5, Std. Dev.=2.013, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.764. Kappa = 2.772 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

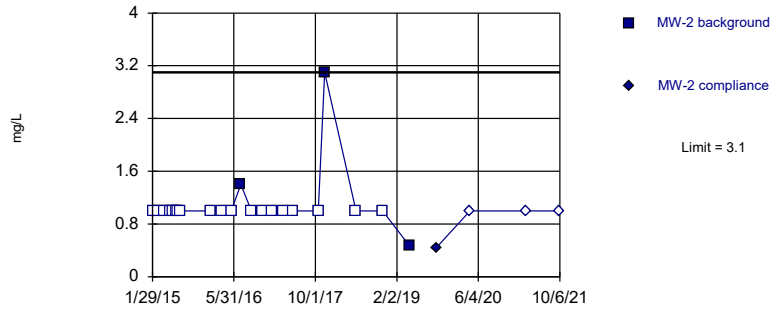


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

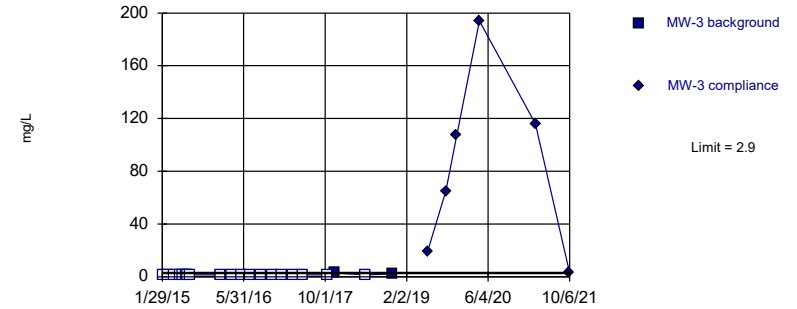


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

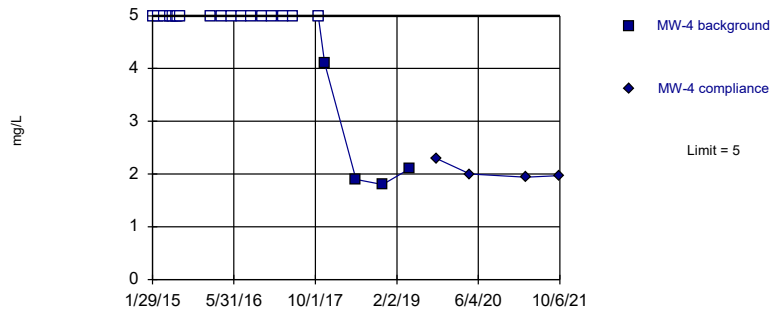


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

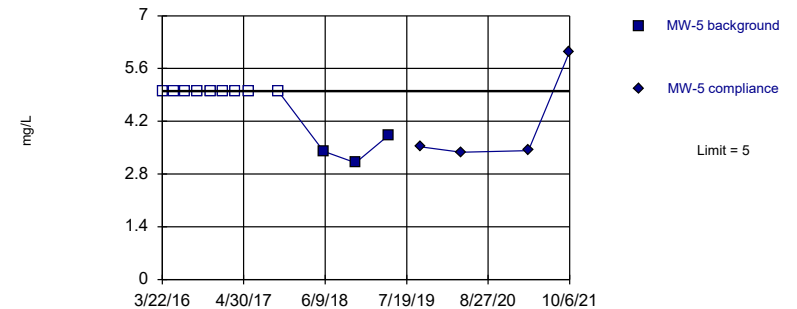


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

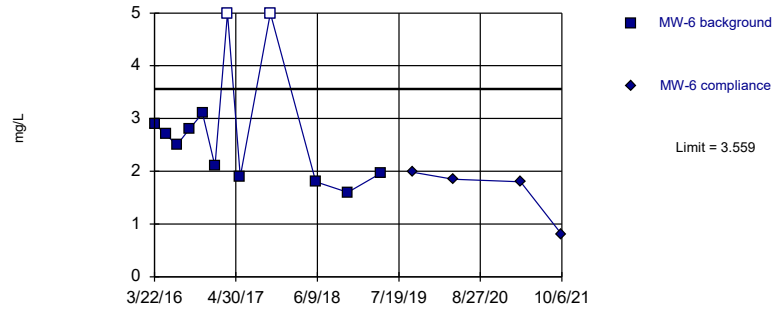


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

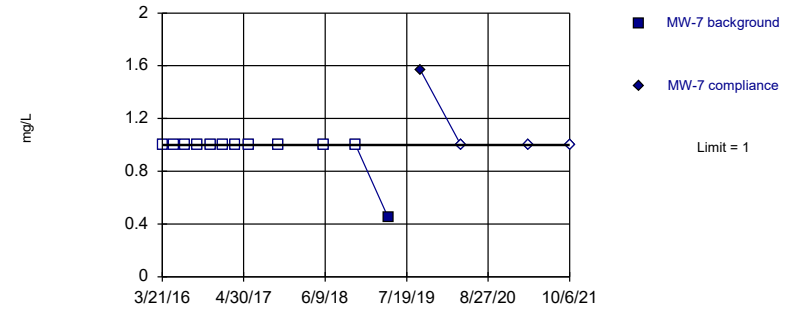


Background Data Summary (after Kaplan-Meier Adjustment): Mean=2.336, Std. Dev.=0.4993, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.82, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

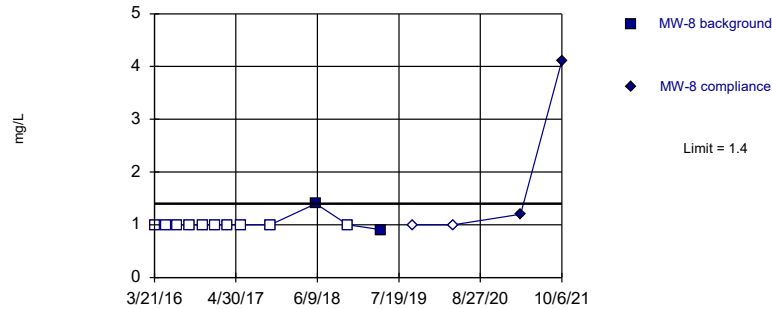


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

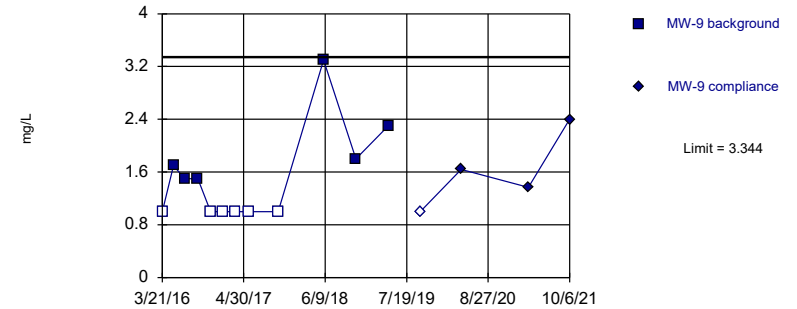


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

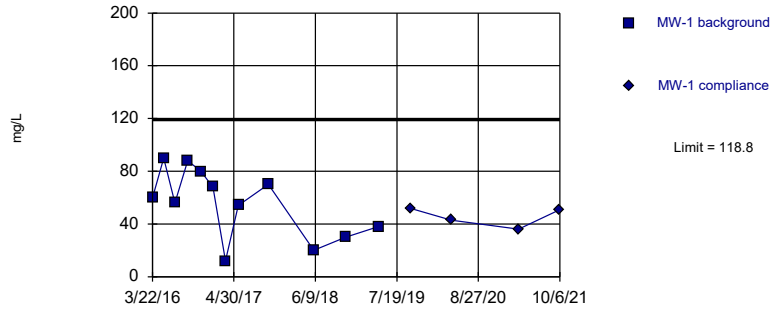


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.114, Std. Dev.=0.1559, n=12, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8057, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

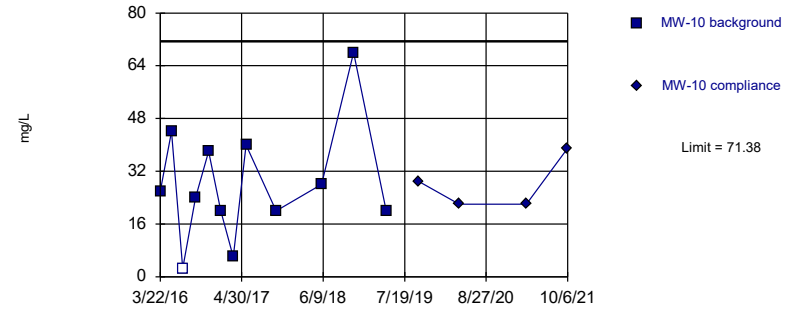


Background Data Summary: Mean=55.5, Std. Dev.=25.84, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9501, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric



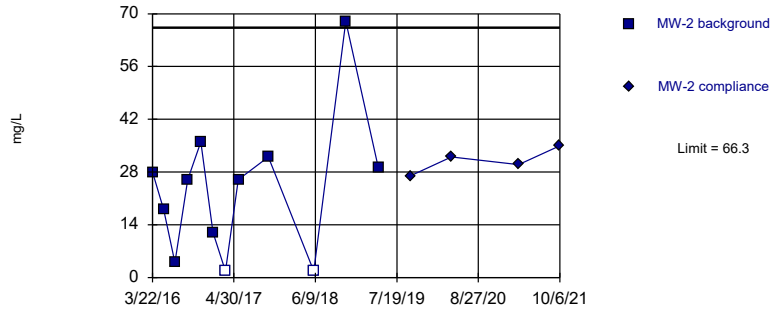
Background Data Summary: Mean=28.04, Std. Dev.=17.7, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



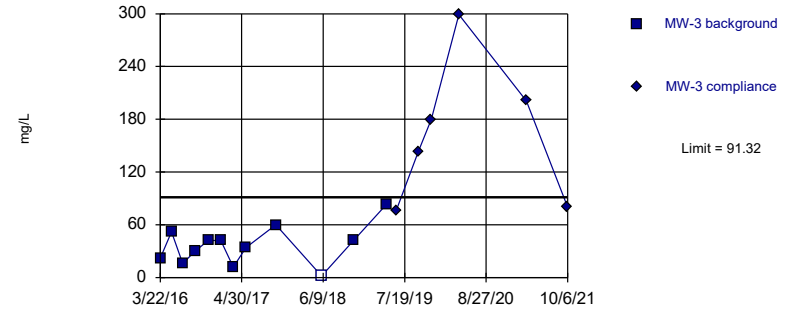
Background Data Summary (after Kaplan-Meier Adjustment): Mean=22.33, Std. Dev.=17.96, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8902, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

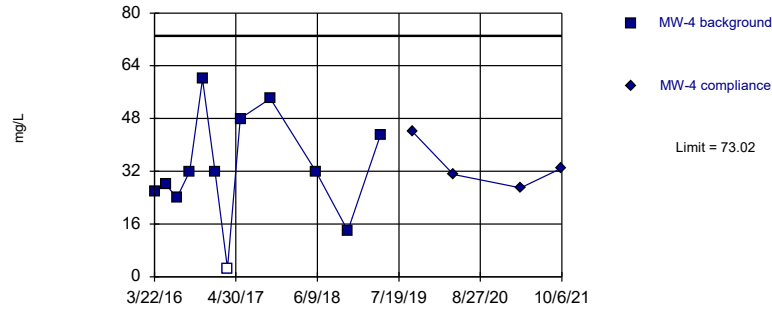


Background Data Summary: Mean=36.39, Std. Dev.=22.43, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9744, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

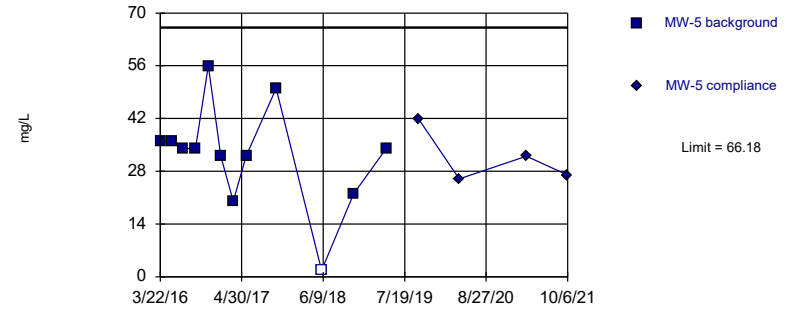


Background Data Summary: Mean=32.96, Std. Dev.=16.36, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9714, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

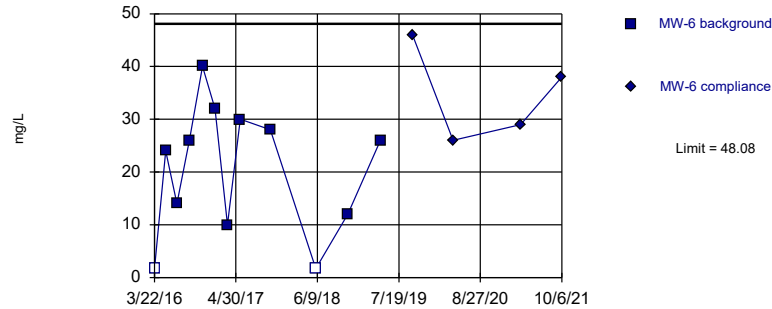


Background Data Summary: Mean=32.31, Std. Dev.=13.83, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9118, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

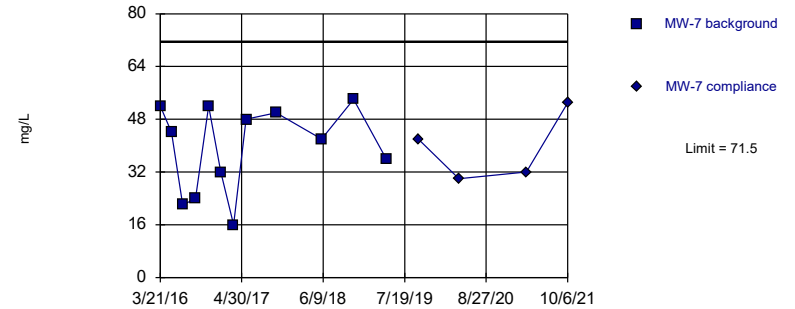


Background Data Summary (after Kaplan-Meier Adjustment): Mean=19.49, Std. Dev.=11.68, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

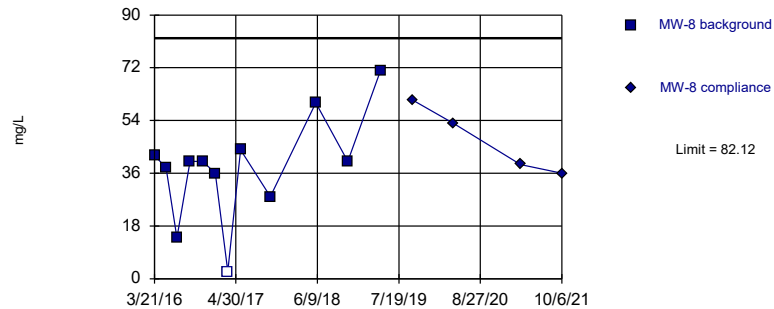


Background Data Summary: Mean=39.33, Std. Dev.=13.14, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
 Intrawell Parametric

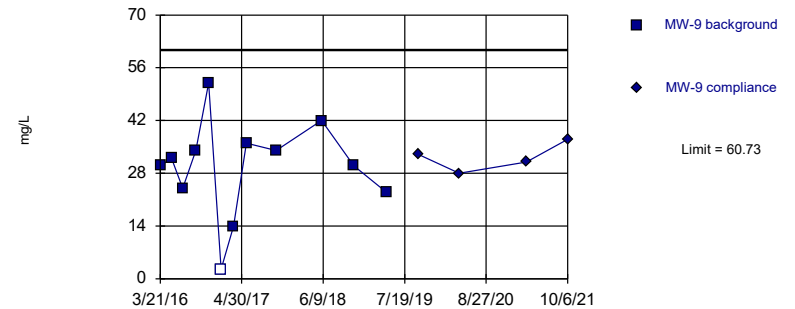


Background Data Summary: Mean=37.96, Std. Dev.=18.03, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9304, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=29.46, Std. Dev.=12.77, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9591, critical = 0.805. Kappa = 2.449 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/27/2021 4:04 PM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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 (o)	
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
3/15/2021		<0.08
10/6/2021		0.0603 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		0.0634 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM View: IntraWell PL
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
3/15/2021		0.15
10/6/2021		0.0481 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.08
10/6/2021		<0.08

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		3.04
10/6/2021		2.49

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		0.935
10/6/2021		1.16

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.11
10/6/2021		1.04

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		44.7
10/6/2021		4.54

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.84
10/6/2021		1.22

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.79
10/6/2021		1.34

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.4
10/6/2021		1.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.23
10/6/2021		2.38

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		2.26
10/6/2021		2.11

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.26
10/6/2021		0.748

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.93
10/6/2021		2.22

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		6.57
10/6/2021		8.86

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		8.99
10/6/2021		10.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		8.83
10/6/2021		11.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		6.9
10/6/2021		6.88

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		6.69
10/6/2021		4.72

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		7.83
10/6/2021		10.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		8.68
10/6/2021		9.75

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		8.19
10/6/2021		7.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		9.27
10/6/2021		8.56

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		0.0269 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		0.0991 (J)
10/6/2021		0.11

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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)
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		0.027 (J)
10/6/2021		0.0317 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		0.0458 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<0.1
10/6/2021		<0.1

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.81
10/6/2021		4.9

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.93
10/6/2021		5.03

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.83
10/6/2021		4.89

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.56
10/6/2021		4.36

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.87
10/6/2021		4.77

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.85
10/6/2021		5.05

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.69
10/6/2021		4.56

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.52
10/6/2021		4.35

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.78
10/6/2021		4.86

Prediction Limit

Constituent: pH (SU) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		4.88
10/6/2021		4.98

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		9.05
10/6/2021		10.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<1
10/6/2021		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<1
10/6/2021		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		116
10/6/2021		2.93

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.94
10/6/2021		1.97

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		3.42
10/6/2021		6.05

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.8
10/6/2021		0.802 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		<1
10/6/2021		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.2
10/6/2021		4.11

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		1.37
10/6/2021		2.4

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		36
10/6/2021		51

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		22
10/6/2021		39

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		30
10/6/2021		35

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		201
10/6/2021		80

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		27
10/6/2021		33

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		32
10/6/2021		27

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		29
10/6/2021		38

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		32
10/6/2021		53

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		39
10/6/2021		36

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/27/2021 4:23 PM 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
3/15/2021		31
10/6/2021		37

FIGURE E.

Appendix III Trend Tests - Prediction Limits Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:26 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)	-0.5942	-116	-68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05522	82	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	3.424	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-7	-0.168	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.72	-124	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4187	84	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3683	79	68	Yes	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-3	0.01574	109	81	Yes	20	10	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.427	331	146	Yes	30	3.333	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0.2074	185	131	Yes	28	67.86	n/a	n/a	0.01	NP

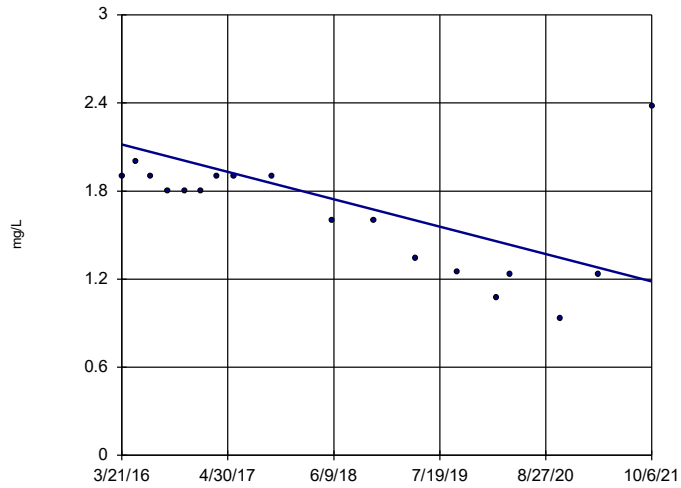
Appendix III Trend Tests - Prediction Limits Exceedances - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5942	-116	-68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.03327	15	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05522	82	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	3.424	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-7	-0.168	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.72	-124	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-10 (bg)	0.2201	26	63	No	17	5.882	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4187	84	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-6	0.09465	18	63	No	17	5.882	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-9	0.3683	79	68	Yes	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-1 (bg)	0	49	68	No	18	72.22	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-10 (bg)	0	-7	-68	No	18	94.44	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-2 (bg)	0	-21	-68	No	18	88.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-3	0.01574	109	81	Yes	20	10	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.427	331	146	Yes	30	3.333	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-10 (bg)	0	-30	-63	No	17	70.59	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-46	-124	No	27	81.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-3	0.2074	185	131	Yes	28	67.86	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-5	-0.2307	-48	-63	No	17	52.94	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-8	0	12	63	No	17	70.59	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-7

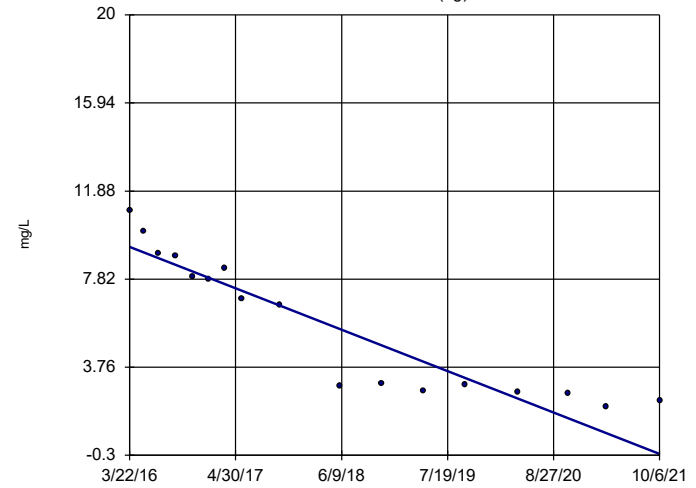


n = 18
 Slope = -0.168
 units per year.
 Mann-Kendall
 statistic = -78
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-1 (bg)

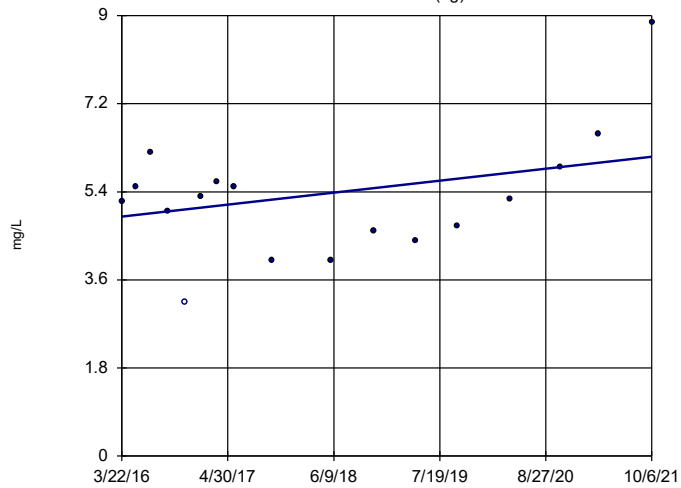


n = 17
 Slope = -1.72
 units per year.
 Mann-Kendall
 statistic = -124
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-10 (bg)

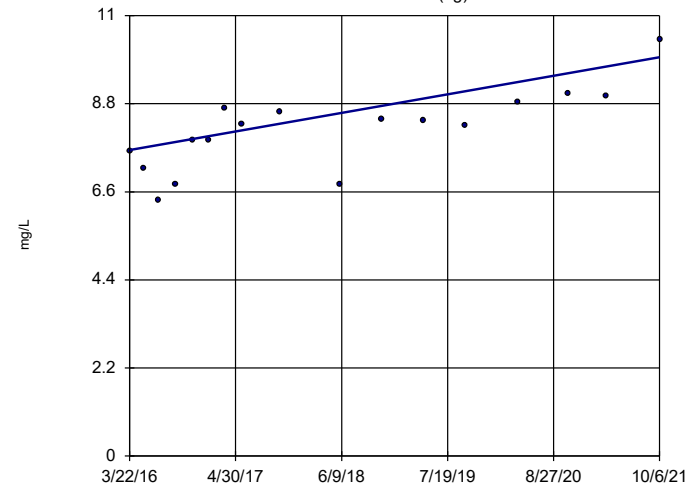


n = 17
 Slope = 0.2201
 units per year.
 Mann-Kendall
 statistic = 26
 critical = 63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-2 (bg)

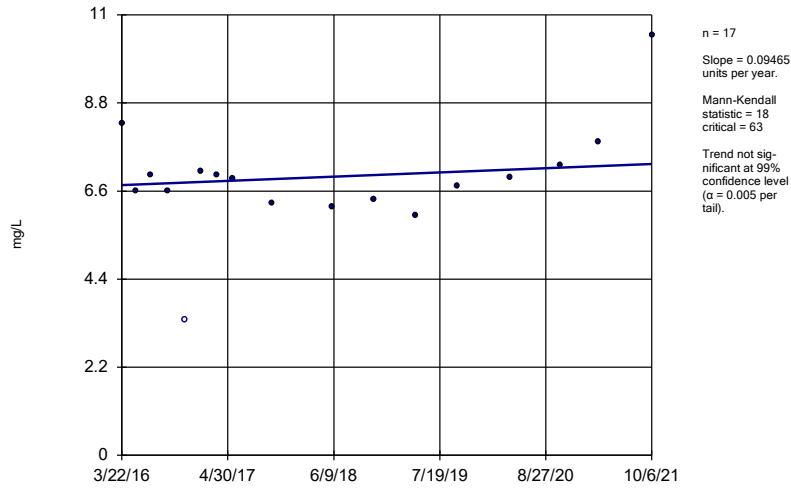


n = 17
 Slope = 0.4187
 units per year.
 Mann-Kendall
 statistic = 84
 critical = 63
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

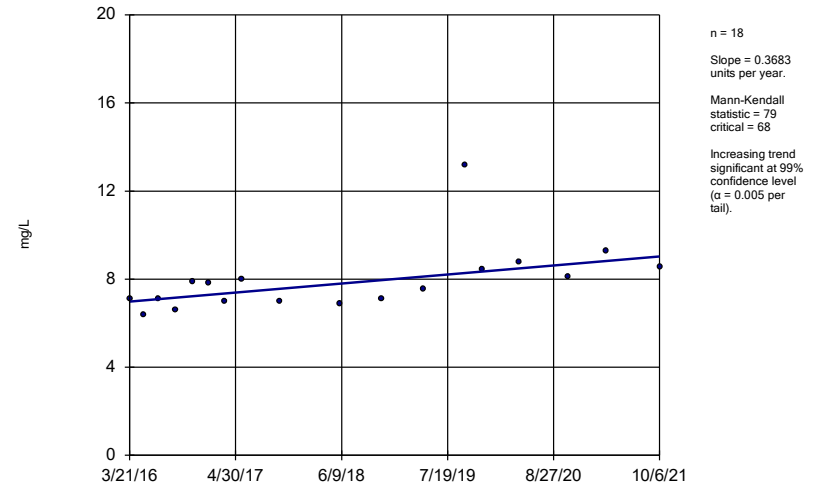
MW-6



Constituent: Chloride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

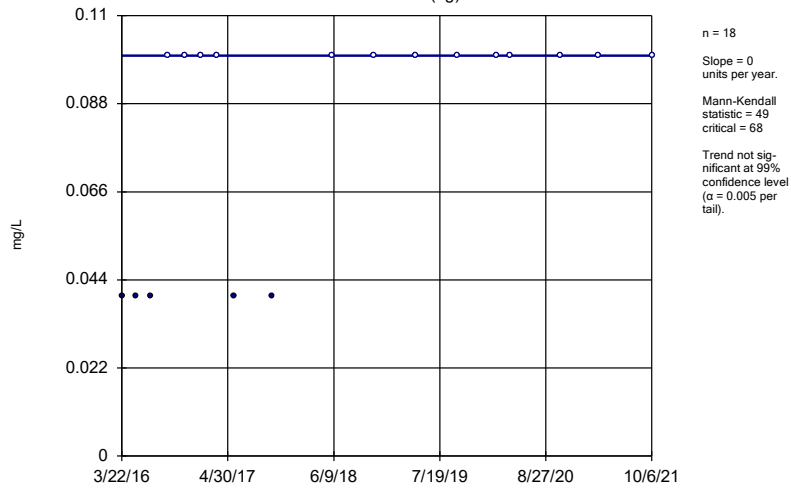
MW-9



Constituent: Chloride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

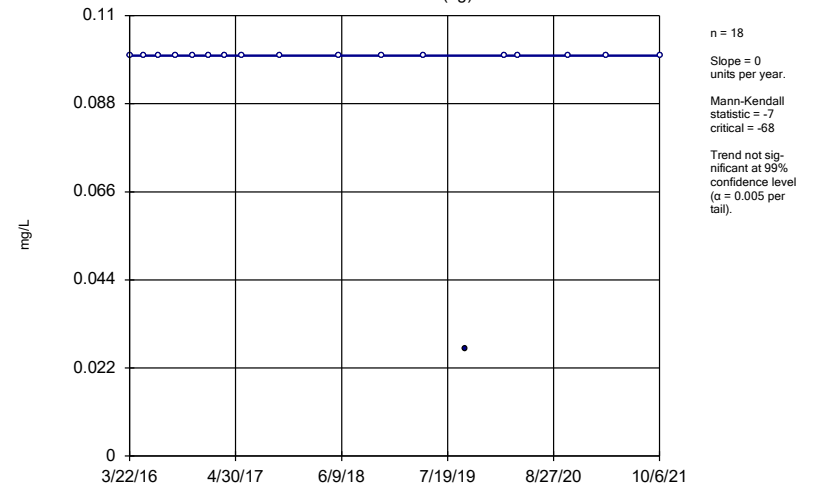
MW-1 (bg)



Constituent: Fluoride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

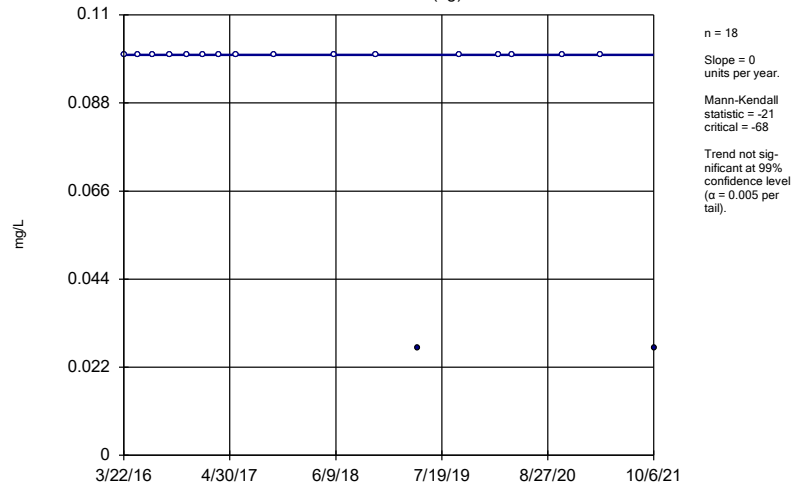
Sen's Slope Estimator

MW-10 (bg)



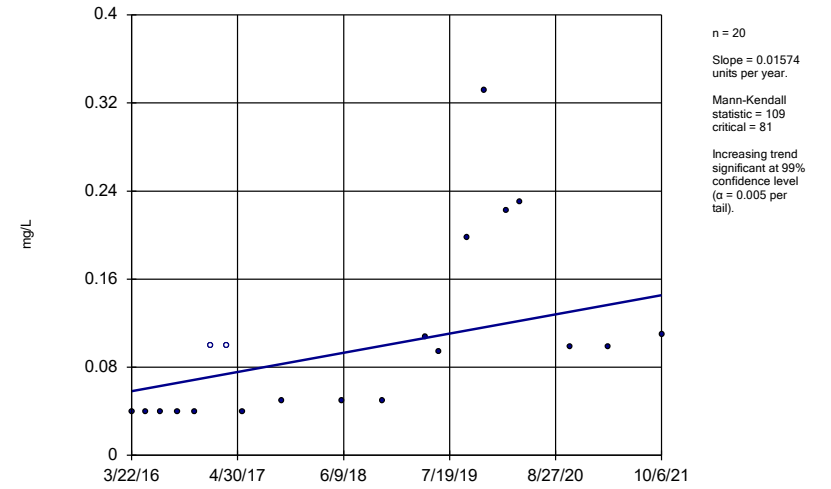
Constituent: Fluoride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator MW-2 (bg)



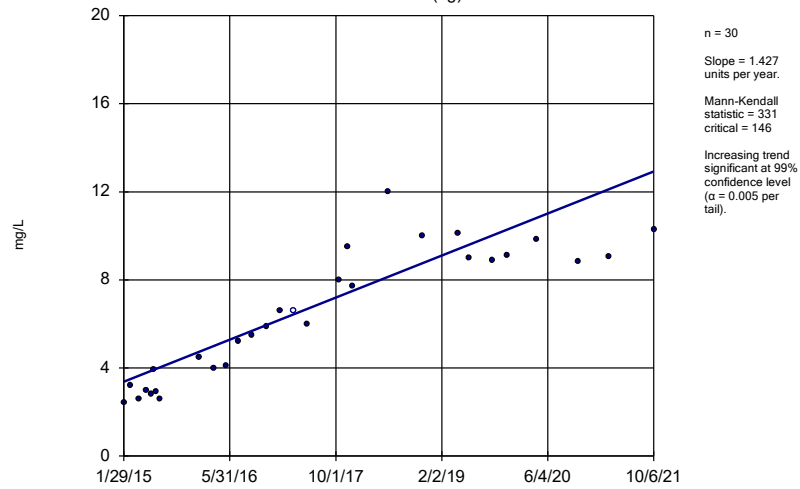
Constituent: Fluoride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator MW-3



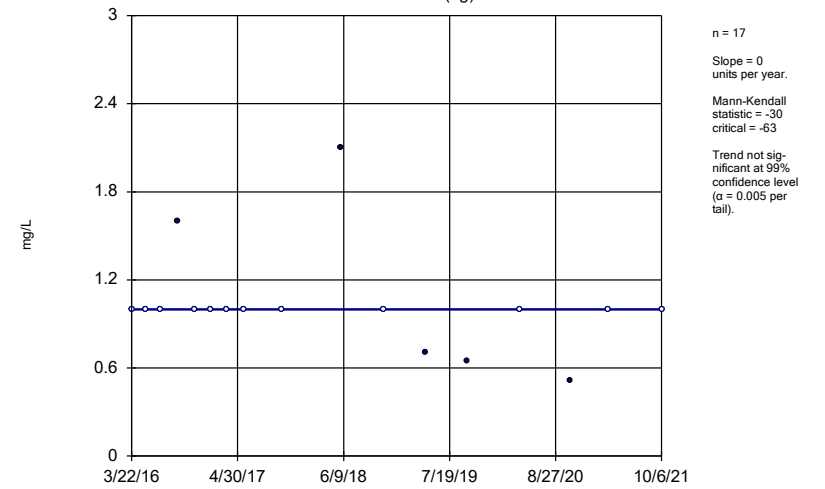
Constituent: Fluoride Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator MW-1 (bg)



Constituent: Sulfate Analysis Run 12/27/2021 4:25 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

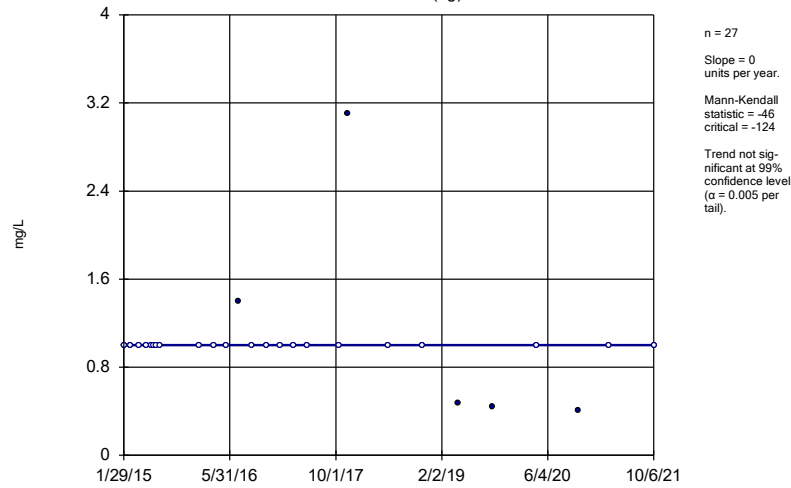
Sen's Slope Estimator MW-10 (bg)



Constituent: Sulfate Analysis Run 12/27/2021 4:26 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

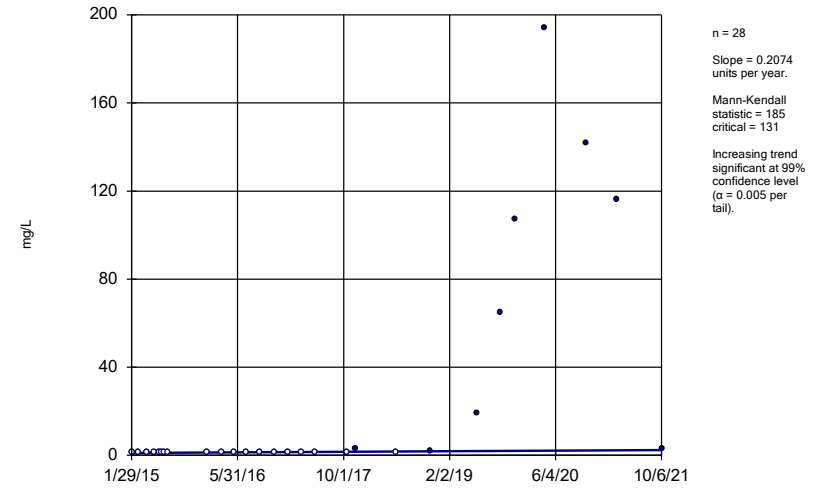
MW-2 (bg)



Constituent: Sulfate Analysis Run 12/27/2021 4:26 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

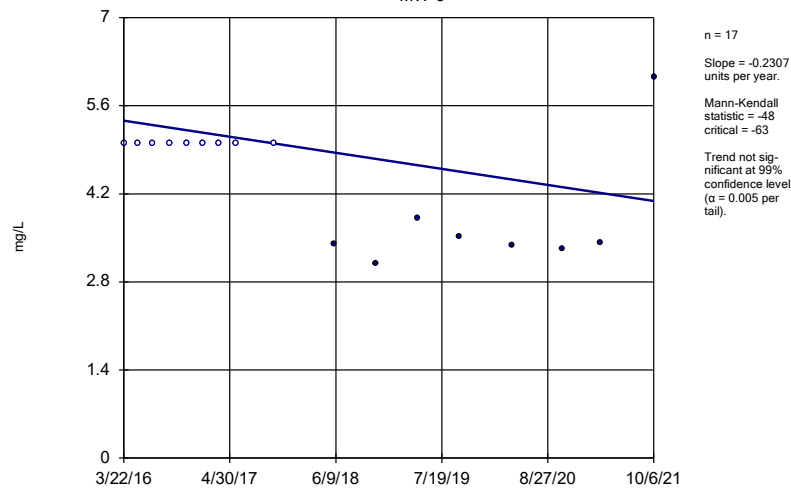
MW-3



Constituent: Sulfate Analysis Run 12/27/2021 4:26 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

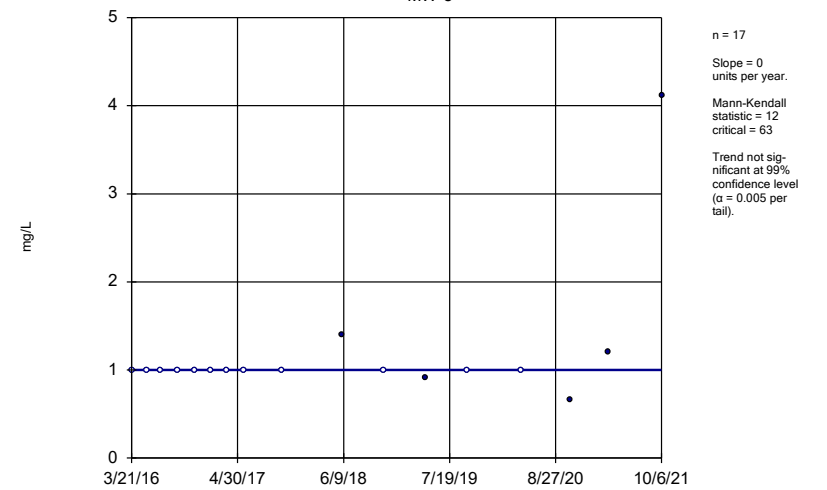
MW-5



Constituent: Sulfate Analysis Run 12/27/2021 4:26 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-8



Constituent: Sulfate Analysis Run 12/27/2021 4:26 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

FIGURE F.

Upper Tolerance Limits - Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:34 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	36	n/a	n/a	97.22	n/a	n/a	0.1578	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	39	n/a	n/a	82.05	n/a	n/a	0.1353	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	59	n/a	n/a	0	n/a	n/a	0.04849	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	39	n/a	n/a	76.92	n/a	n/a	0.1353	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	n/a	n/a	100	n/a	n/a	0.1578	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	56	n/a	n/a	91.07	n/a	n/a	0.05656	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	39	n/a	n/a	0	n/a	n/a	0.1353	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.461	n/a	n/a	n/a	38	1.009	0.3977	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	54	n/a	n/a	85.19	n/a	n/a	0.06267	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	39	n/a	n/a	79.49	n/a	n/a	0.1353	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	36	n/a	n/a	97.22	n/a	n/a	0.1578	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	56	n/a	n/a	92.86	n/a	n/a	0.05656	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	36	n/a	n/a	94.44	n/a	n/a	0.1578	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	56	n/a	n/a	82.14	n/a	n/a	0.05656	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	36	n/a	n/a	83.33	n/a	n/a	0.1578	NP Inter(NDs)

FIGURE G.

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		3.46	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*

FIGURE H.

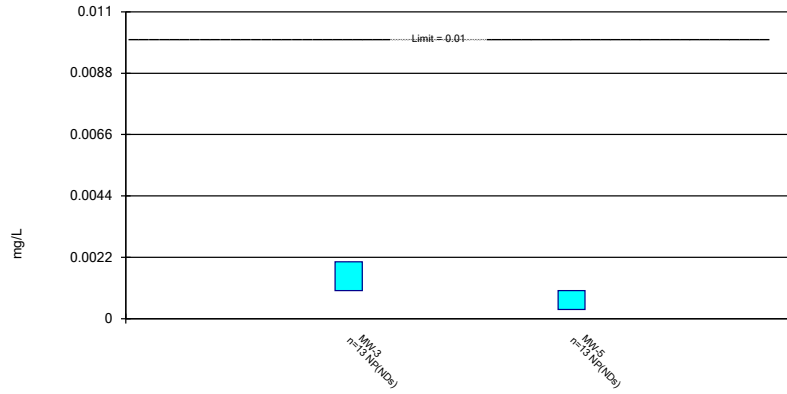
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/27/2021, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00204	0.001	0.01	No	13	0.00138	0.0007557	69.23	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	13	0.0009486	0.0001853	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	23	0.1124	0.02823	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05993	0.05239	2	No	23	0.05616	0.007205	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0508	2	No	13	0.06319	0.006451	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0843	0.0554	2	No	13	0.06978	0.01725	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1615	0.1283	2	No	13	0.1371	0.0341	0	None	x^5	0.01	Param.
Barium (mg/L)	MW-8	0.1193	0.09335	2	No	13	0.1063	0.01744	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04669	0.03593	2	No	13	0.04131	0.007234	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.000486	0.004	No	13	0.0008162	0.000246	61.54	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	13	0.0009374	0.0002258	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	13	0.0009378	0.0002244	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	13	0.0009464	0.0001933	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004184	0.0003217	0.004	No	13	0.0003701	0.000065	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	13	0.0006887	0.0003523	53.85	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.001	0.005	No	12	0.0011	0.0003464	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	22	0.002109	0.0004898	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	22	0.002095	0.0004477	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	12	0.002033	0.0001155	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00341	0.0016	0.006	No	13	0.00234	0.0008397	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001699	0.001418	0.006	No	13	0.001558	0.0001885	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001112	0.0008884	0.006	No	13	0.001	0.0001503	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-6	0.002639	0.001818	0.006	No	13	0.002228	0.0005523	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002405	0.001882	0.006	No	13	0.002013	0.0005391	0	None	x^5	0.01	Param.
Cobalt (mg/L)	MW-8	0.001651	0.001292	0.006	No	13	0.001472	0.0002416	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001218	0.001063	0.006	No	13	0.001141	0.0001045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.357	1.884	5	No	13	2.656	1.093	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.362	0.9334	5	No	13	1.148	0.2884	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.561	1.018	5	No	13	1.289	0.3647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.323	0.8839	5	No	13	1.103	0.2951	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	2.883	1.72	5	No	13	2.302	0.7816	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.319	1.781	5	No	13	2.05	0.3613	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9661	0.6055	5	No	13	0.7858	0.2425	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.121	0.05552	4	No	20	0.104	0.0807	10	None	ln(x)	0.01	Param.
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	18	0.09336	0.01963	88.89	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	18	0.08215	0.02976	72.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	18	0.09297	0.02069	88.89	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	18	0.09618	0.01619	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00126	0.00039	0.015	No	13	0.0007192	0.0003759	7.692	None	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000192	0.015	No	13	0.0008733	0.0003093	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000153	0.015	No	13	0.0009348	0.0002349	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000165	0.015	No	13	0.0008052	0.0003704	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	13	0.0008673	0.0003239	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.00017	0.015	No	13	0.0008111	0.0003592	76.92	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	22	0.000186	0.00003644	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	22	0.0001921	0.00002945	86.36	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	12	0.004743	0.0008891	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	22	0.005082	0.0002805	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	22	0.004973	0.0001279	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	12	0.004608	0.001357	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	12	0.004226	0.001808	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	12	0.0009391	0.000211	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	12	0.0009359	0.000222	91.67	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

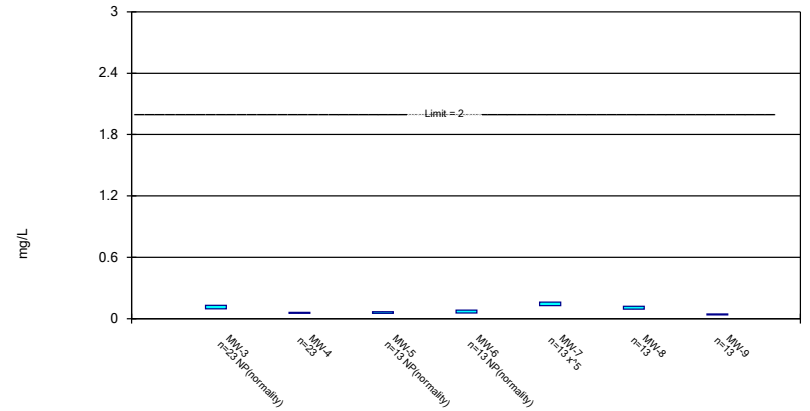
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

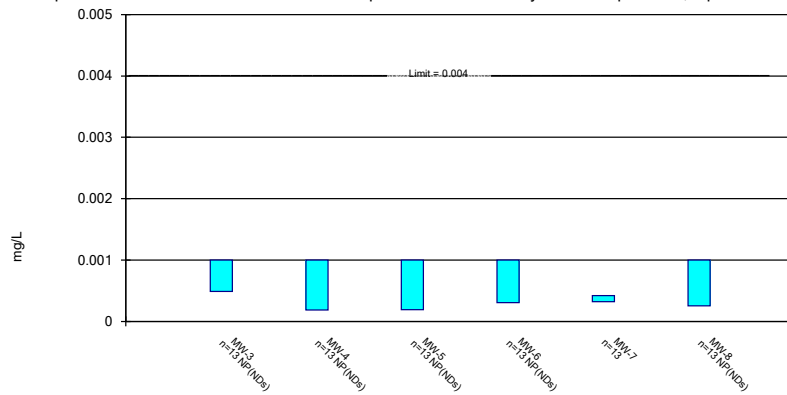
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

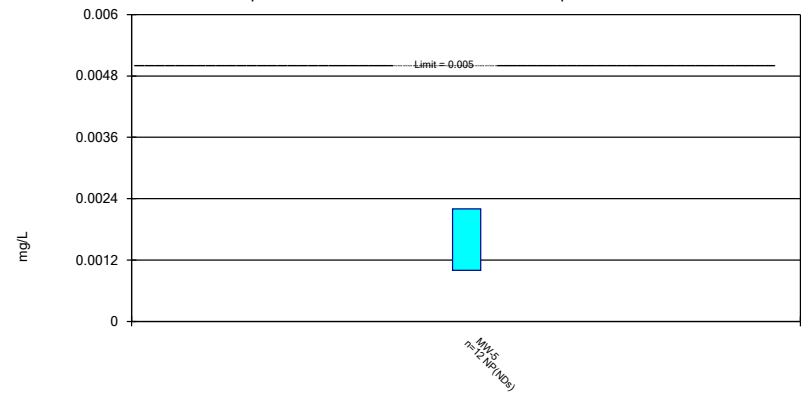
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Constituent: Beryllium Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

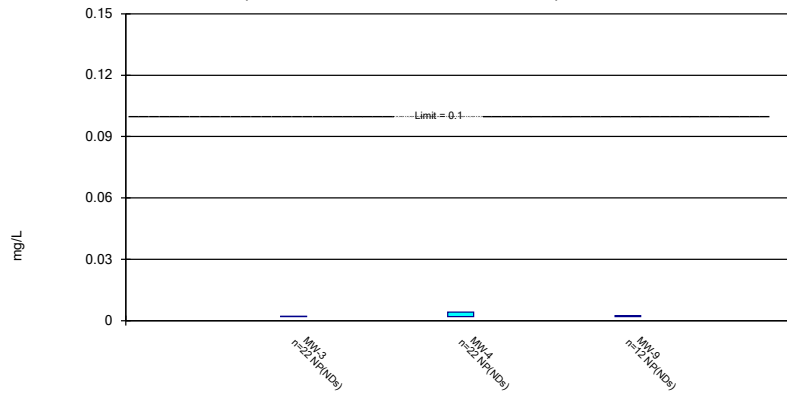
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

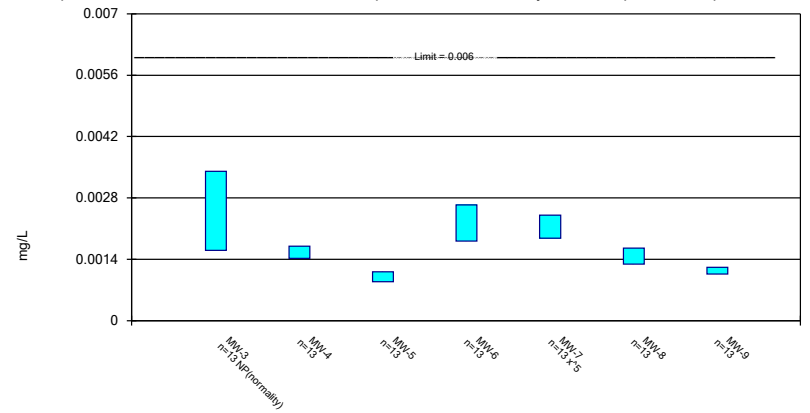
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

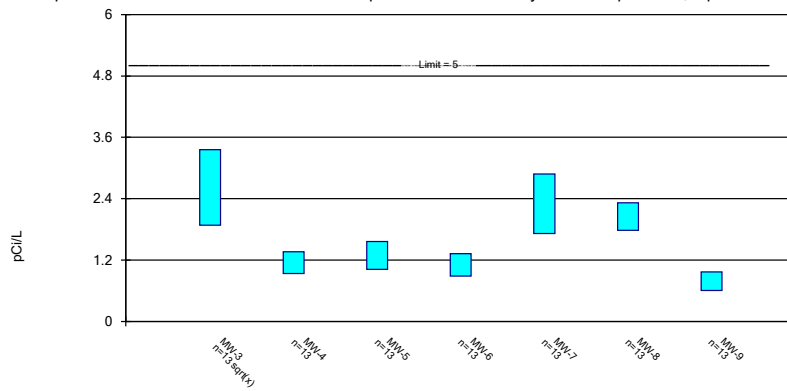
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric Confidence Interval

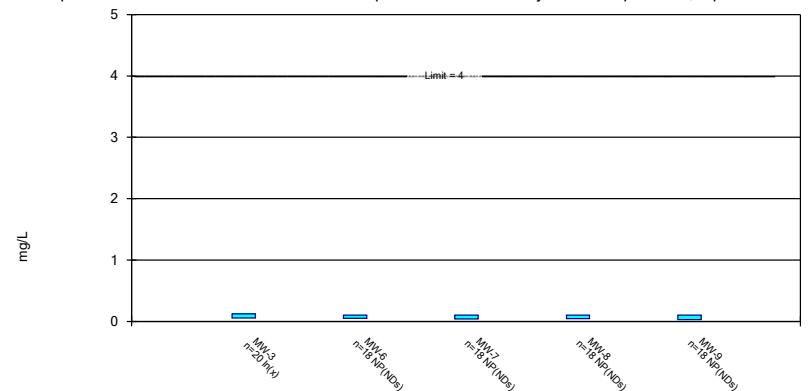
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

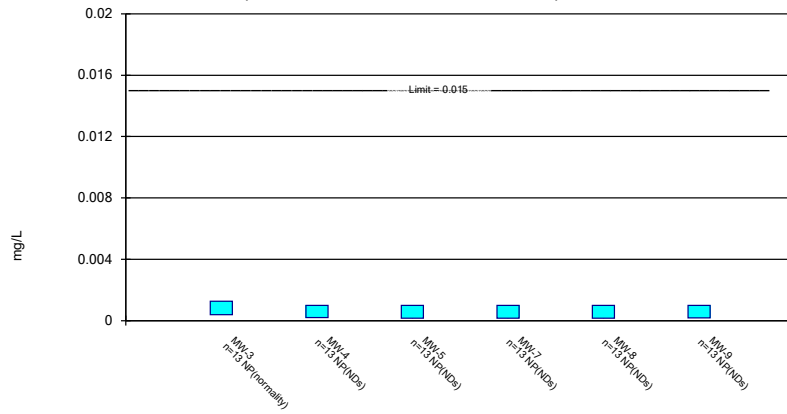
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

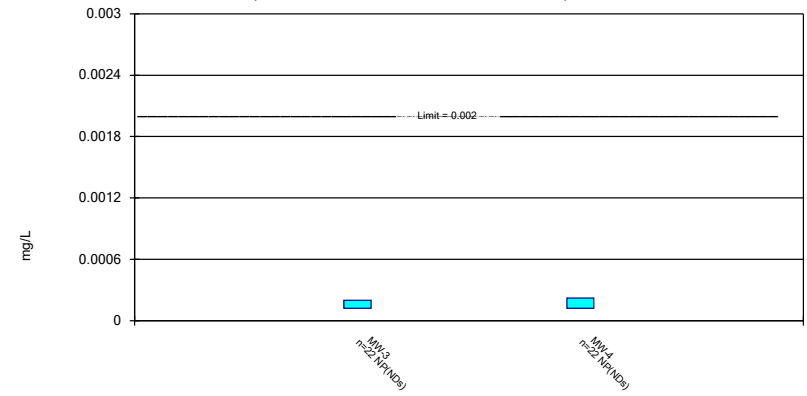
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

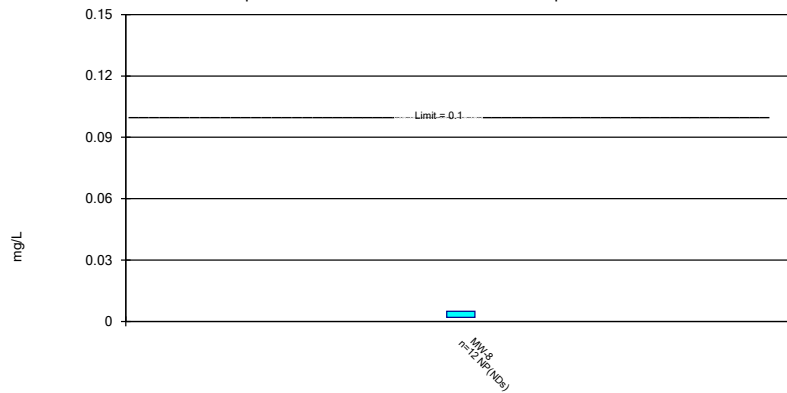
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

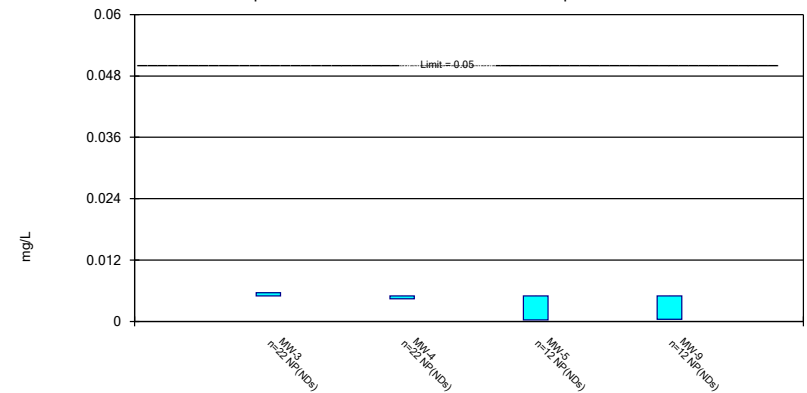
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

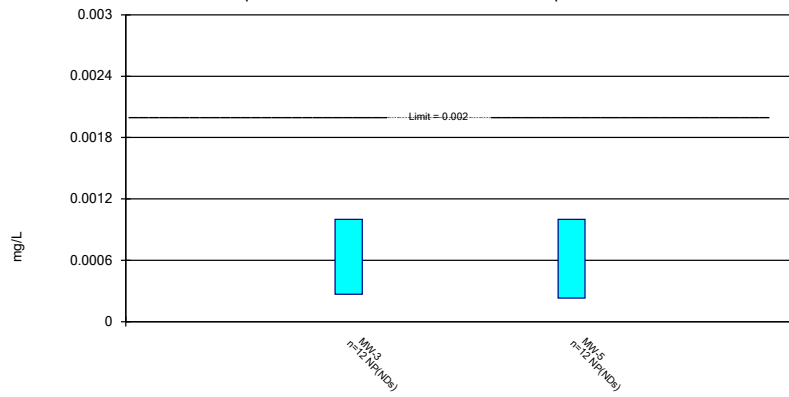
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 12/27/2021 4:40 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 12/27/2021 4:40 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.00138	0.0009486
Std. Dev.	0.0007557	0.0001853
Upper Lim.	0.00204	0.001
Lower Lim.	0.001	0.000332

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.1124	0.05616	0.06319	0.06978	0.1371	0.1063	0.04131
Std. Dev.	0.02823	0.007205	0.006451	0.01725	0.0341	0.01744	0.007234
Upper Lim.	0.129	0.05993	0.0673	0.0843	0.1615	0.1193	0.04669
Lower Lim.	0.096	0.05239	0.0508	0.0554	0.1283	0.09335	0.03593

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.0008162	0.0009374	0.0009378	0.0009464	0.0003701	0.0006887
Std. Dev.	0.000246	0.0002258	0.0002244	0.0001933	6.5E-05	0.0003523
Upper Lim.	0.001	0.001	0.001	0.001	0.0004184	0.001
Lower Lim.	0.000486	0.000186	0.000191	0.000303	0.0003217	0.000255

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.0011
Std. Dev.	0.0003464
Upper Lim.	0.0022
Lower Lim.	0.001

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.002109	0.002095	0.002033
Std. Dev.	0.0004898	0.0004477	0.0001155
Upper Lim.	0.0021	0.0041	0.0024
Lower Lim.	0.002	0.002	0.002

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.00234	0.001558	0.001	0.002228	0.002013	0.001472	0.001141
Std. Dev.	0.0008397	0.0001885	0.0001503	0.0005523	0.0005391	0.0002416	0.0001045
Upper Lim.	0.00341	0.001699	0.001112	0.002639	0.002405	0.001651	0.001218
Lower Lim.	0.0016	0.001418	0.0008884	0.001818	0.001882	0.001292	0.001063

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/27/2021 4:41 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
Mean	2.656	1.148	1.289	1.103	2.302	2.05	0.7858
Std. Dev.	1.093	0.2884	0.3647	0.2951	0.7816	0.3613	0.2425
Upper Lim.	3.357	1.362	1.561	1.323	2.883	2.319	0.9661
Lower Lim.	1.884	0.9334	1.018	0.8839	1.72	1.781	0.6055

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.104	0.09336	0.08215	0.09297	0.09618
Std. Dev.	0.0807	0.01963	0.02976	0.02069	0.01619
Upper Lim.	0.121	0.1	0.1	0.1	0.1
Lower Lim.	0.05552	0.05	0.04	0.0458	0.0313

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.0007192	0.0008733	0.0009348	0.0008052	0.0008673	0.0008111
Std. Dev.	0.0003759	0.0003093	0.0002349	0.0003704	0.0003239	0.0003592
Upper Lim.	0.00126	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00039	0.000192	0.000153	0.000165	0.000147	0.00017

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.000186	0.0001921
Std. Dev.	3.644E-05	2.945E-05
Upper Lim.	0.0002	0.00022
Lower Lim.	0.00012	0.00012

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.004743
Std. Dev.	0.0008891
Upper Lim.	0.005
Lower Lim.	0.00192

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/27/2021 4:41 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
Mean	0.005082	0.004973	0.004608	0.004226
Std. Dev.	0.0002805	0.0001279	0.001357	0.001808
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 12/27/2021 4:41 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)
Mean	0.0009391	0.0009359
Std. Dev.	0.000211	0.000222
Upper Lim.	0.001	0.001
Lower Lim.	0.000269	0.000231