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Prepared for

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2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

FLORIDA POWER & LIGHT COMPANY, GULF CLEAN ENERGY CENTER GYPSUM STORAGE AREA

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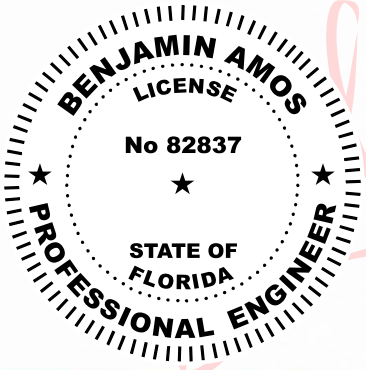
CERTIFICATION STATEMENT

This *2023 Annual Groundwater Monitoring and Corrective Action Report, Florida Power & Light Company – Gulf Clean Energy Center – Gypsum Storage Area* has been prepared in accordance with the requirements of the United States Environmental Protection Agency Coal Combustion Residuals Rule (40 Code of Federal Regulations Part 257, Subpart D) under the supervision of a State of Florida licensed Professional Engineer and Professional Geologist with Geosyntec Consultants, Inc.



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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency Coal Combustion Residuals ("CCR") Rule (40 Code of Federal Regulations ("CFR") Part 257, Subpart D) ("CCR Rule"), this *2023 Annual Groundwater Monitoring and Corrective Action Report* documents CCR groundwater monitoring and remedial evaluation activities completed in 2023 at Florida Power & Light Company ("FPL") Gulf Clean Energy Center Gypsum Storage Area ("GSA"). The GSA is currently inactive following the facility ceasing coal-fired operations in late 2020. In 2023, FPL continued removal of CCR contained in the GSA for beneficial reuse.

Statistical evaluation of CCR groundwater monitoring data collected through October 2017 identified statistically significant increases ("SSIs") of certain Appendix III constituents relative to background.

In accordance with the CCR Rule, FPL initiated an assessment monitoring program for the GSA in March 2018. At the start of the 2023 reporting year, the GSA was in assessment monitoring. Statistically significant levels ("SSLs") of total radium were identified as part of the assessment monitoring program. Therefore, an assessment of corrective measures ("ACM") was initiated in January 2019 and completed in June 2019. A public meeting was held in December 2019. The GSA was in an assessment monitoring program at the end of 2023, with sample collection events for CCR Rule Appendix III and Appendix IV constituents conducted in April and September 2023.

In 2023, analytical data from April and September 2023 were evaluated in accordance with the *Statistical Analysis Plan* (Groundwater Stats Consulting, 2017) and the *Statistical Analysis Method Certification, 40 CFR 257.93(f), Plant Crist Gypsum Storage Area* (Gulf Power Company, 2017). Statistical analysis of data from the April and September 2023 sampling events indicated SSIs of the following CCR Rule Appendix III constituents relative to background:

SSI Constituent	CCR Monitoring Well		
	MW-200	MW-201	MW-206
Boron	S, F	S, F	S, F
Calcium	S, F	S, F	S, F
Chloride	S, F	S, F	S, F
Fluoride		S	F
Sulfate	S, F	S, F	F
Total Dissolved Solids	S	S, F	S, F

Notes:
S = Spring; SSI identified in April 2023 semi-annual assessment monitoring event.
F = Fall; SSI identified in September 2023 semi-annual assessment monitoring event.

Statistical analysis of data from the April and September 2023 sampling events indicated SSLs of total radium above its groundwater protection standard ("GWPS") as summarized below:

SSL Constituent	CCR Monitoring Well		
	MW-200	MW-201	MW-206
Radium 226 and 228 combined (total radium)	S	S	S, F

Notes:
S = Spring; SSL identified in April 2023 semi-annual assessment monitoring event.
F = Fall; SSL identified in September 2023 semi-annual assessment monitoring event.

In addition to the assessment monitoring program, in 2023 FPL also (i) sampled an additional groundwater monitoring location to further evaluate background conditions and (ii) sampled CCR material in the gypsum storage pond for analysis of total radium via synthetic precipitation leaching procedure ("SPLP"). This additional sampling was performed to evaluate potential sources of total radium in groundwater.

In 2023, FPL continued engineering design for closure by removal. On August 21, 2023, the Florida Department of Environmental Protection ("FDEP") issued a *Notice of Intent to Issue Permit* to close the GSA using closure by removal. With GSA closure by removal of CCR, additional evaluation regarding the overall long-term management strategy of the GSA is ongoing, including review of the existing ACM for potential updates to the groundwater remedial strategy.

FPL continued to operate an existing groundwater extraction system in 2023 as a temporary measure for the GSA while remedy evaluation and selection continues.

In 2024, the GSA will remain in assessment monitoring.

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1.0 INTRODUCTION

1.1 Overview

On behalf of the Florida Power & Light Company ("FPL"), Geosyntec Consultants, Inc. ("Geosyntec") prepared this *2023 Annual Groundwater Monitoring and Corrective Action Report* for FPL's Gulf Clean Energy Center ("GCEC") Coal Combustion Residuals ("CCR") Gypsum Storage Area ("GSA"). The purpose of this report is to present a summary of the CCR groundwater activities performed at the GSA in 2023. This report has been prepared in accordance with annual reporting requirements of 40 Code of Federal Regulations ("CFR") Section 257.90(e) contained in 40 CFR Part 257, Subpart D ("CCR Rule").

GCEC ("Site") is located at 11999 Pate Street in Pensacola, Escambia County, Florida, and is situated on approximately 670 acres. A Site location map is provided in **Figure 1**. Site topography ranges from approximately 120 feet ("ft") relative to the North American Vertical Datum of 1988 ("NAVD88") on the western portions of the Site and along Pate Street to approximately 5 ft NAVD88 near Clear Creek to the north and Governor's Bayou to the east. The GSA is located on the eastern portion of the Site.

1.2 Regional Geology & Hydrogeologic Setting

The Sand and Gravel Aquifer, the uppermost aquifer underlying the Site, includes Pleistocene terrace deposits, the Pleistocene Citronelle Formation, and the upper portion of the Pliocene/Miocene coarse clastics. The Sand and Gravel Aquifer has been subdivided into three major zones (listed in order from ground surface): (i) the surficial zone; (ii) the low permeability zone; and (iii) the main producing zone (Roaza et al., 1991).

The surficial zone consists of the upper most layer of sand and gravel, although layers of silt and clay may also occur within this zone. Beneath the surficial zone is the low permeability zone. The low permeability zone is the first substantial, more regionally continuous lower permeability layer encountered within the Sand and Gravel Aquifer (Roaza et al., 1991). This layer generally consists of a poorly sorted mixture of sand, silt, and clay, although actual lithology is variable. As a semi-confining interval, the low permeability zone limits vertical groundwater flow between the surficial zone above and the main producing zone below (Roaza et al., 1991). The main producing zone is lithologically similar to the surficial zone with moderate to well sorted quartz sands and gravels with interbedded layers of sandy clay and clay. Groundwater in the main

producing zone is under semi-confined conditions due to the nature of the low permeability zone that lies above and a regionally extensive confining unit that lies underneath (Richards, 2001).

Site-specific lithology in the uppermost aquifer consists primarily of silty or clayey sands interbedded with well-graded sands and gravels. Groundwater in the uppermost aquifer at the Site is generally encountered between 15 and 4 ft NAVD88 within the Sand and Gravel Aquifer in a laterally-extensive water-bearing zone of fine to coarse sand. This aquifer is considered the uppermost aquifer for groundwater monitoring purposes. CCR groundwater monitoring wells were screened in the uppermost aquifer at elevations shown in **Table 1**.

1.3 GSA and Groundwater Monitoring System Descriptions

The GSA is a gypsum storage pond, occupying approximately 14.3 acres, that has been inactive since ceasing of coal-fired operations at the GCEC in December 2020. In 2023, FPL continued removal of CCR contained in the GSA for beneficial reuse. The pond bottom is constructed of an engineered composite liner consisting of 60-mil high-density polyethylene underlain by a geosynthetic liner.

Historically, gypsum, process water, and stormwater were conveyed to the GSA. Currently, stormwater is the only water that enters the pond by direct run-off. Decant water from the GSA is managed through gravity fed pipes to the Sedimentation Pond.

In 2023, FPL continued engineering design for closure by removal.

Pursuant to the CCR Rule, FPL previously installed a CCR groundwater monitoring system around the GSA to monitor groundwater within the uppermost aquifer (Southern Company ("SC"), 2018). Background monitoring wells were installed to establish Site-wide background water quality. The downgradient monitoring well network was installed at the waste boundary of the GSA.

Monitoring wells in the GSA groundwater monitoring network include:

- background wells: MW-100, MW-101, MW-107, MW-108, MW-306, and MW-307;
- downgradient wells: MW-200, MW-201, and MW-206; and

- upgradient wells[1]: MW-202, MW-203, MW-204, and MW-205.

Monitoring well details, including installation dates, coordinates, elevations, screen intervals, and designations are summarized in **Table 1**. The CCR groundwater monitoring well network for the GSA is depicted in **Figure 2**.

1.4 Groundwater Remedy Evaluation, Selection, and Implementation

Pursuant to 40 CFR Section 257.96, FPL initiated an Assessment of Corrective Measures ("ACM") for the Ash Pond in January 2019 as documented in the June 2019 *Assessment of Corrective Measures Report* (Geosyntec, 2019). A public meeting was held in December 2019. As FPL continues gypsum removal from the GSA, additional evaluation regarding the long-term management strategy of the GSA is ongoing, including review of the existing ACM for potential updates to the groundwater remedial strategy. Corrective measures evaluation and remedy selection is ongoing, as documented in the June 2023 and January 2024 *Remedy Selection Semi-Annual Progress Reports* (Geosyntec, 2023; Geosyntec, 2024).

As reported by SC (2018), and pursuant to Consent Order OGC No. 16-1250 ("Consent Order") between Gulf Power Company (the prior GCEC owner) and the FDEP (the Consent Order has subsequently been administratively closed by FDEP), a groundwater pump and treat system was installed downgradient of the GSA to promote removal of groundwater impacts resulting from an unpermitted discharge from GSA-related infrastructure (SC, 2018). Extracted groundwater is treated on-Site and disposed through FDEP-permitted deep injection wells. FPL continued to operate the groundwater extraction system in 2023 as conditions allowed. FPL plans to discontinue operation of the groundwater extraction and conveyance system in 2024.

[1] As upgradient wells, data from these wells were not included in the statistical analysis of the 2023 groundwater sampling data presented in Section 4.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes CCR groundwater monitoring-related activities performed in 2023.

2.1 Monitoring Well Installation and Maintenance

Monitoring well installation activities were completed for the GSA in 2015 and 2016 (SC, 2018). No additional monitoring wells were installed in 2023.

2.2 Semi-Annual Assessment Monitoring Events

Semi-annual assessment monitoring events were conducted in April and September 2023. During the 2023 semi-annual assessment monitoring events, groundwater samples were collected from each GSA monitoring shown on **Figure 2** and analyzed for CCR Rule Appendix III and Appendix IV constituents. A summary of groundwater sample collection events completed in 2023 is provided in **Table 2**. Groundwater analytical data associated with these events are summarized in **Table 3** and laboratory analytical reports are included in **Appendix A**.

3.0 SAMPLE METHODOLOGY

The following section describes the methods used to conduct CCR groundwater monitoring at the GSA. In addition, results from potentiometric gauging are summarized. Results for CCR Rule Appendix III and Appendix IV constituents are discussed in Section 4.

3.1 Groundwater Elevation Measurement

Prior to each CCR groundwater monitoring event, the depth to groundwater was recorded at each CCR groundwater monitoring well and select other well/piezometer at the GCEC. Groundwater elevations calculated from the depth to groundwater measurements are summarized in **Table 4**. Site-wide groundwater elevation maps for each CCR groundwater monitoring event are presented in **Figure 3** and **Figure 4**.

As illustrated on **Figure 3** and **Figure 4**, the general direction of groundwater flow near the GSA is to the north-northeast. The groundwater flow patterns observed during the April 2023 and August/September 2023 assessment monitoring events are generally consistent with historical observations.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates were calculated based on hydraulic gradients estimated from groundwater elevations measured during each sampling event and the hydraulic conductivity (64 feet per day (ft/day)) documented in the *APT Well Installation, Development, and Testing Report* (Geosyntec, 2017). Horizontal hydraulic gradients between MW-204 and MW-206 were calculated based on groundwater elevation data from both the 2023 sampling events, resulting in horizontal gradients between the well pair of approximately 0.0018 ft/ft in April 2023 and 0.0019 ft/ft in August/September 2023.

Horizontal groundwater flow velocities were calculated using a form of Darcy's Law:

$$V=(K*i)/n_e$$

Where:

V=groundwater velocity (ft/day);

K=measured hydraulic conductivity (ft/day);

i=horizontal hydraulic gradient (ft/ft); and

n_e=effective porosity (unitless), which was assumed to be 0.25.

The calculated horizontal groundwater velocities between MW-204 and MW-206 were approximately 0.46 ft/day (168.9 ft/year) and 0.49 ft/day (180.5 ft/year) in April and August/September 2023, respectively.

3.3 Groundwater Sampling

Groundwater samples were collected in accordance with FDEP Standard Operating Procedures FS2200 (FDEP, 2017) and the CCR Rule. Field instruments were used to monitor and record field water quality parameters (pH, temperature, conductivity, oxidation reduction potential, turbidity, and dissolved oxygen) during well purging to evaluate stabilization prior to sampling. Following collection, samples were placed in ice-packed coolers and submitted to Eurofins TestAmerica Laboratories, Inc. ("TAL"), in Pensacola, Florida following chain-of-custody protocol. Field sampling data sheets are provided in **Appendix A**.

3.4 Laboratory Analyses

Laboratory analyses for groundwater samples collected during the semi-annual assessment monitoring events included both CCR Rule Appendix III and Appendix IV constituents. Applicable analytical methods are provided in laboratory reports in **Appendix A**.

Laboratory analyses were performed by TAL. TAL is accredited by the National Environmental Laboratory Accreditation Program ("NELAP") and maintains a NELAP certification for all parameters analyzed for this project. In addition, TAL is certified to perform laboratory analyses by the State of Florida. Groundwater data and chain-of-custody records for the two semi-annual assessment monitoring events are presented in **Appendix A**.

3.5 Quality Assurance & Quality Control Summary

During each sampling event, quality assurance/quality control ("QA/QC") samples including equipment blanks, field blanks, and duplicate samples were collected. Data from these QA/QC samples were evaluated during data validation.

Groundwater quality data in this report were independently validated in accordance with the *Region IV Data Validation Standard Operating Procedures* (United States Environmental Protection Agency ("USEPA"), 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences ("RPDs"), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data using the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2017). Data validation reports for the September 2022, April 2023, and September 2023 assessment monitoring events are included in **Appendix A**.

4.0 STATISTICAL ANALYSIS

The following section describes the statistical methods and analyses performed in 2023.

4.1 Statistical Method

Statistical analysis of CCR Rule Appendix III and Appendix IV constituents was performed on groundwater monitoring data collected during the 2023 semi-annual assessment monitoring events in accordance with the *Statistical Analysis Plan* ("SAP") (Groundwater Stats Consulting, 2017) and the *Statistical Analysis Method Certification, 40 CFR 257.93(f), Plant Crist Gypsum Storage Area* ("SAMC") (Gulf Power Company, 2017).

Statistical analysis of CCR groundwater data was performed using the Sanitas v.9.6.28 groundwater statistical software. Sanitas is a decision support software package that incorporates statistical tests required of Subtitle C and D facilities by USEPA regulations and incorporates methods recommended in the *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance* ("Unified Guidance") (USEPA, 2009), consistent with the SAP and SAMC. The following sections detail the statistical methods and analyses performed on analytical data from the 2023 semi-annual assessment monitoring events.

4.1.1 Appendix III Constituent Statistical Method

Statistical analysis of CCR Rule Appendix III constituents was performed to evaluate if concentrations were consistent with observed background values. Statistical tests used to evaluate the groundwater monitoring data consisted of interwell prediction limits combined with a 1-of-2 resample strategy for the following Appendix III constituents: boron, calcium, chloride, fluoride, sulfate, and total dissolved solids ("TDS"). Interwell prediction limits pool upgradient well data to establish a background prediction limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background prediction limit for each constituent. Intrawell prediction limits combined with a 1-of-2 resample strategy were used to evaluate pH at each well. Intrawell prediction limits are constructed using historical data within a given well and compare the most recent sample to background levels within the same well. The 1-of-2 resample strategy allows for collection of a verification sample when statistically significant increases ("SSIs") are identified. If the most recent sample exceeded its respective background prediction limit and a verification sample is not collected, an SSI is identified.

4.1.2 Appendix IV Constituent Statistical Method

In accordance with the CCR Rule, a groundwater protection standard ("GWPS") was established for each Appendix IV constituent (**Table 5**).

To evaluate statistically significant levels ("SSLs") of CCR Rule Appendix IV constituents, confidence intervals were constructed for each Appendix IV constituent in each downgradient well and compared to the GWPSs. An SSL was identified only when the entire confidence interval was above the GWPS. Other statistical tests, including time-series plots and trend analyses, were performed in accordance with the SAP and SAMC. Additional details are presented in the statistical analysis reports for the April 2023 and September 2023 semi-annual assessment monitoring events provided in **Appendices B and C**, respectively.

4.2 Statistical Analyses Results

4.2.1 Appendix III Constituent Statistical Results

Concentrations of select CCR Rule Appendix III constituents from samples collected during the April 2023 and September 2023 semi-annual assessment monitoring events differed from background levels. SSIs were identified for the following constituents:

SSI Constituent	CCR Monitoring Well		
	MW-200	MW-201	MW-206
Boron	S, F	S, F	S, F
Calcium	S, F	S, F	S, F
Chloride	S, F	S, F	S, F
Fluoride		S	F
Sulfate	S, F	S, F	F
TDS	S	S, F	S, F

Notes:
S = Spring; SSI identified in April 2023 semi-annual assessment monitoring event.
F = Fall; SSI identified in September 2023 semi-annual assessment monitoring event.

Based on these SSIs, assessment monitoring will continue in 2024.

4.2.2 Appendix IV Constituent Statistical Results

Statistical analysis of CCR Rule Appendix IV constituents identified SSLs of total radium above the GWPS as summarized below:

SSL Constituent	CCR Monitoring Well		
	MW-200	MW-201	MW-206
Radium 226 and 228 combined (total radium)	S	S	S, F

Notes:
S = Spring; SSL identified in April 2023 semi-annual assessment monitoring event.
F = Fall; SSL identified in September 2023 semi-annual assessment monitoring event.

5.0 EVALUATION OF POTENTIAL SOURCES OF TOTAL RADIUM

An analysis of the source of total radium in the vicinity of MW-200, MW-201, and MW-206 was completed in 2020 (Geosyntec, 2020).-In addition, in 2023 FPL ~~also~~ (i) sampled an additional groundwater monitoring location to further evaluate background conditions and (ii) sampled CCR material in the gypsum storage pond for analysis of total radium via synthetic precipitation leaching procedure ("SPLP"). This additional sampling was performed to evaluate potential sources of total radium in groundwater.

5.1 2020 Assessment

Key conclusions of the 2020 assessment are briefly summarized below:

- Naturally-occurring uranium and thorium, both of which are parent radionuclides for radium, are present in Site soils as documented by LBG-Guyton (LBG-Guyton, 1998) and further supported by results of soil analysis presented in the 2020 assessment. The presence of uranium and thorium indicate the potential for a naturally-occurring source of total radium that may contribute to elevated levels of total radium observed in groundwater downgradient of the GSA.

- Total radium can be leached from Site soils at levels higher than the GWPS of 5 picocuries per liter ("pCi/L") when in contact with Site groundwater as evidenced by leaching tests conducted by LBG-Guyton and supported by additional leaching tests documented in the 2020 assessment. The 2020 assessment concludes that natural variations in groundwater quality contribute to the elevated levels of total radium downgradient of the GSA. The contribution of naturally-occurring sources of radionuclides to total radium levels in groundwater was calculated to be in the range of 2.9 to 16.1 pCi/L.

- A supporting line of evidence for naturally-occurring total radium is the levels detected in monitoring wells and/or sample locations hydraulically disconnected from the GSA (i.e., upgradient and side-gradient of the GSA) at concentrations above the GWPS of 5 pCi/L. Contributions of total radium from natural sources is the likely source of total radium at these locations.

5.2 2023 Assessment

In 2023, to evaluate potential sources of total radium at the GSA, FPL sampled a supplemental groundwater monitoring location for total radium that is located in a geochemical environment similar to monitoring wells downgradient of the GSA. In addition, FPL sampled CCR material from the gypsum storage pond for analysis of total radium via the SPLP. The supplemental groundwater and CCR material sample locations are shown on **Figure 5**.

The supplemental groundwater background sample was generally consistent with historical background levels of total radium. The highest total radium SPLP level in GSA CCR, however, was only 1.49 pCi/L, which is below the GWPS. This indicates that CCR collected from the gypsum storage pond only contains low levels of total radium, suggesting that total radium downgradient of the GSA is primarily from a naturally-occurring source. Results from the supplemental sampling event are summarized in **Table 6** and field documentation and the laboratory report are included in **Appendix A**.

6.0 CONCLUSIONS AND FUTURE ACTIONS

SSLs of total radium were identified in 2023 downgradient of the GSA. Supplemental sampling activities conducted in 2023 indicated that total radium downgradient of the GSA is likely the result of naturally-occurring sources, consistent with prior data and evaluations (Geosyntec, 2020).

The GSA is currently inactive following the facility ceasing coal-fired operations in late 2020. In 2023, FPL continued removal of CCR contained in the GSA for beneficial reuse. Corrective measures evaluation and remedy selection are ongoing, as documented in the June 2023 and January 2024 *Remedy Selection Semi-Annual Progress Reports* (Geosyntec, 2023; Geosyntec, 2024). In 2023, FPL continued engineering design for closure by removal. FPL continues gypsum removal from the GSA, additional evaluation regarding the long-term management strategy for the GSA is ongoing, including review of the existing ACM for potential updates to the groundwater remedial strategy.

Assessment monitoring at the GSA will continue in 2024.

7.0 REFERENCES

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TABLES

TABLE 1: GROUNDWATER MONITORING LOCATION DETAILS
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Monitoring Location	Installation Date	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Designation
Gypsum Storage Area - CCR Groundwater Monitoring Network								
MW-100	11/11/2015	578116.11	1107316.00	99.84	103.03	-5.16	-15.16	Background
MW-101	11/10/2015	577158.45	1107724.27	105.10	108.00	-1.90	-11.90	Background
MW-107	11/17/2015	577201.66	1107442.83	111.40	114.71	1.40	-8.60	Background
MW-108	11/17/2015	576208.36	1107577.06	80.51	83.54	-4.49	-14.49	Background
MW-200	11/11/2015	581703.17	1108041.01	17.20	20.13	-2.80	-12.80	Downgradient
MW-201	11/11/2015	581138.29	1108637.91	52.45	52.12	3.15	-6.85	Downgradient
MW-202	11/10/2015	580559.03	1109045.35	55.80	55.45	6.30	-3.70	Upgradient
MW-203	11/9/2015	580100.37	1108497.51	47.46	50.60	-2.54	-12.54	Upgradient
MW-204	11/9/2015	580325.06	1107978.45	16.43	19.47	-3.57	-13.57	Upgradient
MW-205	11/17/2015	581076.41	1107907.46	17.31	20.28	-2.69	-12.69	Upgradient
MW-206	2/9/2016	581888.48	1108613.37	26.25	29.11	1.25	-8.75	Downgradient
MW-306	11/19/2015	578417.11	1106200.44	67.61	70.56	-12.39	-22.39	Background
MW-307	11/19/2015	578209.77	1106865.99	101.11	104.18	-8.89	-18.89	Background

Notes:

1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. Designations are relative to CCR Unit.

TABLE 2: SUMMARY OF 2023 GROUNDWATER SAMPLING EVENTS
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Well Name	Semi-Annual Assessment Monitoring Event 1	Semi-Annual Assessment Monitoring Event 2
Gypsum Storage Area - CCR Groundwater Monitoring Network		
MW-100	4/6/2023	9/1/2023
MW-101	4/6/2023	9/1/2023
MW-107	4/6/2023	9/1/2023
MW-108	4/6/2023	9/1/2023
MW-200	4/6/2023	9/8/2023
MW-201	4/11/2023	9/8/2023
MW-202	4/11/2023	9/8/2023
MW-203	4/11/2023	9/8/2023
MW-204	4/11/2023	9/8/2023
MW-205	4/11/2023	9/8/2023
MW-206	4/11/2023	9/8/2023
MW-306	4/7/2023	9/1/2023
MW-307	4/6/2023	9/1/2023

Notes:
1. Both assessment monitoring events include groundwater samples analyzed for CCR Rule Appendix III and Appendix IV constituents.

TABLE 3: SUMMARY OF 2023 GROUNDWATER LABORATORY ANALYTICAL DATA
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Well Designation	Sample Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Total Radium (pCi/L)	Fluoride (mg/L)	Lead (mg/L)	Lithium (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	pH (SU)	Selenium (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Thallium (mg/L)
Semi-Annual Assessment Monitoring Event 1																							
MW-100	Background	4/6/2023	0.0015 U	0.0012 U	0.019	0.00092 U	0.021 I	0.00065 U	0.81	4.3	0.001 U	0.0011 I	0.942	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	4.8	0.00084 I	1.4 U	34	0.00046 U
MW-101	Background	4/6/2023	0.0015 U	0.0012 U	0.0093	0.00092 U	0.048 I	0.00065 U	0.42	3.6	0.001 U	0.00087 I	0.754	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	4.79	0.00082 U	1.4 U	24	0.00046 U
MW-107	Background	4/6/2023	0.0015 U	0.0012 U	0.01	0.00092 U	0.038 I	0.00065 U	0.32	3.8	0.001 U	0.00098 I	0.97	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	4.88	0.00082 U	1.4 U	22	0.00046 U
MW-108	Background	4/6/2023	0.0015 U	0.0012 U	0.012	0.00092 U	0.035 I	0.00065 U	2.1	4.2	0.001 U	0.00078 I	2.58	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	4.8	0.001 I	4.8 I	14	0.00046 U
MW-306	Background	4/7/2023	0.0015 U	0.0012 U	0.012	0.00092 U	0.011 I	0.00065 U	0.49	4.1	0.001 U	0.00072 I	1.26	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	4.9	0.0015	1.4 U	24	0.00046 U
MW-307	Background	4/6/2023	0.0015 U	0.0012 U	0.018	0.00092 U	0.012 I	0.00065 U	0.68	4.2	0.001 U	0.0022 I	1.28	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.02	0.00087 I	1.4 U	16	0.00046 U
MW-200	Downgradient	4/11/2023	0.0015 U	0.0012 U	0.039	0.00092 U	2.4	0.0009 I	75	86	0.001 U	0.0011 I	5.67	0.07 U	0.00081 U	0.0049 U	0.00079	0.0013 U	4.86	0.0052	130	490	0.00046 U
MW-201	Downgradient	4/11/2023	0.0015 U	0.0012 U	0.041	0.00092 U	4.4	0.0031	78	96	0.001 U	0.00082 I	8.7	0.15	0.00081 U	0.0049 U	0.00028	0.0013 U	4.94	0.0034	140	490	0.00046 U
MW-202	Upgradient	4/11/2023	0.0015 U	0.0012 U	0.022	0.00092 U	0.12 V	0.00065 U	7.1	13	0.001 U	0.00089 I	1.31	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.29	0.00082 U	15	74	0.00046 U
MW-203	Upgradient	4/11/2023	0.0015 U	0.0012 U	0.015	0.00092 U	0.5	0.00065 U	33	11	0.001 U	0.00056 U	3.13	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.66	0.00099 I	58	210	0.00046 U
MW-204	Upgradient	4/11/2023	0.0015 U	0.0039	0.026	0.00092 U	5.5	0.00065 U	60	70	0.001 U	0.0086	11.1	0.17	0.0015	0.0053	0.00015 U	0.0013 U	4.31	0.0056	270	600	0.00046 U
MW-205	Upgradient	4/11/2023	0.0015 U	0.0019	0.04	0.00092 U	3.9	0.00065 U	53	63	0.001 U	0.003	3.9	0.07 U	0.00091 I	0.0049 U	0.00015 U	0.0013 U	4.89	0.0038	180	440	0.00046 U
MW-206	Downgradient	4/11/2023	0.0015 U	0.0012 U	0.04	0.00092 U	12	0.00065 U	160	250	0.001 U	0.0013 I	3.9	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.26	0.0051	12 I,VQ	890	0.00046 U
Semi-Annual Assessment Monitoring Event 2																							
MW-100	Background	9/1/2023	0.0001 U	0.00024 U	0.019	0.000069 I	0.021	0.00013 U	0.88	5.5	0.00042 U	0.00055	1.33 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.000092 U	4.75	0.00022 I	1.4 U	36	0.000022 U
MW-101	Background	9/1/2023	0.0001 U	0.00024 U	0.0099	0.000056 U	0.02	0.00013 U	0.39	3.9	0.00048 I	0.00033 I	1.21 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.000092 U	4.86	0.00016 U	1.4 U	18	0.000022 U
MW-107	Background	9/1/2023	0.0001 U	0.00024 U	0.01	0.000056 U	0.023	0.00013 U	0.33	4.2	0.00042 U	0.00039 I	1.49 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.000092 U	4.85	0.00016 U	1.4 U	16	0.000022 U
MW-108	Background	9/1/2023	0.0001 U	0.00024 U	0.012	0.000056 U	0.025	0.00013 U	2.1	4.2	0.005	0.00026 I	3.12 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.00013 I	4.81	0.00039	3.8 I	32	0.000022 U
MW-306	Background	9/1/2023	0.0001 U	0.00024 U	0.012	0.000056 U	0.016	0.00013 U	0.52	4.8	0.00056	0.00024 I	1.22 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.000092 U	4.99	0.00016 U	1.4 U	16	0.000022 U
MW-307	Background	9/1/2023	0.0001 U	0.00024 U	0.02	0.000056 U	0.016	0.00013 U	0.66	4.4	0.00042 U	0.00098	1.12 I	0.07 U	0.00016 U	0.00098 U	0.00015 U	0.000092 U	5.03	0.00022 I	1.4 U	22	0.000022 U
MW-200	Downgradient	9/8/2023	0.0005 U	0.0012 U	0.018	0.00028 U	0.16	0.00065 U	5.1	15	0.021 U	0.00069 I	0.997 I	0.07 U	0.0081 U	0.0049 U	0.00015 U	0.00046 U	4.91	0.0011 I	12	70	0.00011 U
MW-201	Downgradient	9/8/2023	0.0005 U	0.0012 U	0.018	0.00028 U	0.16	0.00065 U	5.1	15	0.021 U	0.00069 I	0.997 I	0.07 U	0.0081 U	0.0049 U	0.00015 U	0.00046 U	4.91	0.0011 I	12	70	0.00011 U
MW-202	Upgradient	9/8/2023	0.0005 U	0.0012 U	0.014	0.00028 U	0.86	0.00065 U	35	25	0.021 U	0.00056 U	2.65 I	0.07 U	0.0081 U	0.0049 U	0.00015 U	0.00046 U	4.89	0.0015	71	170	0.00011 U
MW-203	Upgradient	9/8/2023	0.0005 U	0.0012 U	0.043	0.00028 U	3.5	0.0026	70	110	0.0021 U	0.00056 U	6.77	0.16	0.00081 U	0.0049 U	0.00015 U	0.00046 U	5.69	0.0023	120	480	0.00011 U
MW-204	Upgradient	9/8/2023	0.0005 U	0.0012 U	0.036	0.00028 U	9.9	0.00065 U	150	310	0.0021 U	0.0013 I	4.01 I	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.00046 U	4.38	0.0056	160	1000	0.00011 U
MW-205	Upgradient	9/8/2023	0.0005 U	0.0012 U	0.0018 U	0.00028 U	0.029 U	0.00065 U	0.13 U	1.4 U	0.0021 U	0.00056 U	0.56 I	0.07 U	0.00081 U	0.0049 U	0.00015 U	0.00046 U	5.22	0.00082 U	7.1 I	5 U	0.00011 U
MW-206	Downgradient	9/8/2023	0.0005 U	0.0027	0.024	0.00042 I	5.9	0.00065 U	61	88	0.0021 U	0.0074	9.15	0.19	0.0016	0.0049 U	0.00015 U	0.00046 U	5.21	0.0099	1100	580	0.00011 U

Notes:

1. "mg/L" indicates milligrams per liter, "pCi/L" indicates picocuries per liter, "SU" indicates standard units.
2. "TDS" indicates total dissolved solids.
3. "U" indicates analyte was analyzed but not detected.
4. "V" indicates that the analyte was detected at or above the method detection limit in both the sample and associated method blank and the value of 10 times the blank was equal to or greater than the associated sample value (i.e., the reported concentration may be biased high).
5. "I" indicates that the reported value is between the laboratory method detection limit and laboratory practical quantitation limit.
6. "J3" indicates that the value is estimated and may not be accurate. Spike recovery is outside of criteria.
7. "Q" indicates that sample was analyzed after the accepted holding time.
8. Data validation flags are not included in Table 3. Data validation reports for 2023 data are included in Appendix A.
9. "Total Radium"is defined as the combined concentrations of radium-226 and radium-228.

TABLE 4: SUMMARY OF 2023 GROUNDWATER ELEVATIONS
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-100	578116.11	1107316.00	103.03	4/3/2023	90.39	12.64
MW-101	577158.45	1107724.27	108.00	4/3/2023	96.32	11.68
MW-107	577201.66	1107442.83	114.71	4/3/2023	101.66	13.05
MW-108	576208.36	1107577.06	83.54	4/3/2023	69.69	13.85
MW-200	581703.17	1108041.01	20.13	4/3/2023	17.62	2.51
MW-201	581138.29	1108637.91	52.12	4/3/2023	48.89	3.23
MW-202	580559.03	1109045.35	55.45	4/3/2023	51.87	3.58
MW-203	580100.37	1108497.51	50.60	4/3/2023	45.65	4.95
MW-204	580325.06	1107978.45	19.47	4/3/2023	13.83	5.64
MW-205	581076.41	1107907.46	20.28	4/3/2023	16.20	4.08
MW-206	581888.48	1108613.37	29.11	4/3/2023	26.52	2.59
MW-306	578417.11	1106200.44	70.56	4/3/2023	55.88	14.68
MW-307	578209.77	1106865.99	104.18	4/3/2023	90.47	13.71
PZ-200S	581853.34	1108016.45	8.31	4/3/2023	6.23	2.08
GSA-2S	582073.8	1108707.19	24.00	4/3/2023	22.02	1.98
PZ-201D	581161.53	1108641.12	52.00	4/3/2023	45.35	6.65
GE-1D/MW-2032	581996.86	1108509.35	20.77	4/3/2023	17.13	3.64
PZ-200D	581775.39	1108002.66	12.03	4/3/2023	6.22	5.81
PZ-203D	580127.2	1108145.63	15.44	4/3/2023	7.85	7.59

Notes:
1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. Depth to water measurements are in feet below top of casing.

TABLE 4: SUMMARY OF 2023 GROUNDWATER ELEVATIONS
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-100	578116.11	1107316.00	103.03	8/30/2023	90.60	12.43
MW-101	577158.45	1107724.27	108.00	8/30/2023	96.81	11.19
MW-107	577201.66	1107442.83	114.71	8/30/2023	102.24	12.47
MW-108	576208.36	1107577.06	83.54	8/30/2023	70.65	12.89
MW-200	581703.17	1108041.01	20.13	8/30/2023	17.55	2.58
MW-201	581138.29	1108637.91	52.12	8/30/2023	48.51	3.61
MW-202	580559.03	1109045.35	55.45	8/30/2023	51.20	4.25
MW-203	580100.37	1108497.51	50.60	8/30/2023	45.02	5.58
MW-204	580325.06	1107978.45	19.47	8/30/2023	13.50	5.97
MW-205	581076.41	1107907.46	20.28	8/30/2023	15.97	4.31
MW-206	581888.48	1108613.37	29.11	8/30/2023	26.40	2.71
MW-306	578417.11	1106200.44	70.56	8/30/2023	56.00	14.56
MW-307	578209.77	1106865.99	104.18	8/30/2023	90.67	13.51
PZ-200S	581853.34	1108016.45	8.31	8/30/2023	5.70	2.61
GSA-2S	582073.8	1108707.19	24.00	8/30/2023	21.64	2.36
PZ-201D	581161.53	1108641.12	52.00	8/30/2023	45.06	6.94
GE-1D/MW-2032	581996.86	1108509.35	20.77	8/30/2023	16.31	4.46
PZ-200D	581775.39	1108002.66	12.03	8/30/2023	5.52	6.51
PZ-203D	580127.2	1108145.63	15.44	8/30/2023	7.87	7.57

Notes:
1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. Depth to water measurements are in feet below top of casing.

TABLE 5: SUMMARY OF BACKGROUND LIMITS AND GROUNDWATER PROTECTION STANDARDS
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Analyte	Units[1]	USEPA CCR Rule Specified Limit[1]	April 2023		September 2023	
			Background[3]	Site-Specific GWPS[1,4]	Background[3]	Site-Specific GWPS[1,4]
Antimony	mg/L	0.006	0.0025	0.006	0.0005	0.006
Arsenic	mg/L	0.01	0.0013	0.01	0.0013	0.01
Barium	mg/L	2	0.023	2	0.023	2
Beryllium	mg/L	0.004	0.0025	0.004	0.0015	0.004
Cadmium	mg/L	0.005	0.0025	0.005	0.0005	0.005
Chromium	mg/L	0.1	0.0088	0.1	0.0088	0.1
Cobalt[2]	mg/L	0.006	0.0032	0.006	0.0032	0.006
Fluoride	mg/L	4	0.12	4	0.12	4
Lead[2]	mg/L	0.015	0.0013	0.015	0.001	0.015
Lithium[2]	mg/L	0.04	0.0054	0.04	0.0054	0.04
Mercury	mg/L	0.002	0.00025	0.002	0.00025	0.002
Molybdenum[2]	mg/L	0.1	0.015	0.1	0.0042	0.1
Selenium	mg/L	0.05	0.0034	0.05	0.0034	0.05
Thallium	mg/L	0.002	0.0005	0.002	0.00015	0.002
Total Radium-226/228[5]	pCi/L	5	2.76	5	2.79	5

Notes:

1. USEPA indicates United States Environmental Protection Agency; CCR indicates Coal Combustion Residuals; GWPS indicates Groundwater Protection Standard; mg/L indicates milligrams per liter; pCi/L indicates picocuries per liter.
2. USEPA CCR Rule Specified Limit established in the USEPA CCR Rule Amendment dated July 30, 2018.
3. Background indicates the statistically derived upper tolerance limit.
4. GWPS selected as the higher of the USEPA CCR Rule Specified Limit and background.
5. Total Radium is defined as the combined concentrations of radium 226 and radium 228.

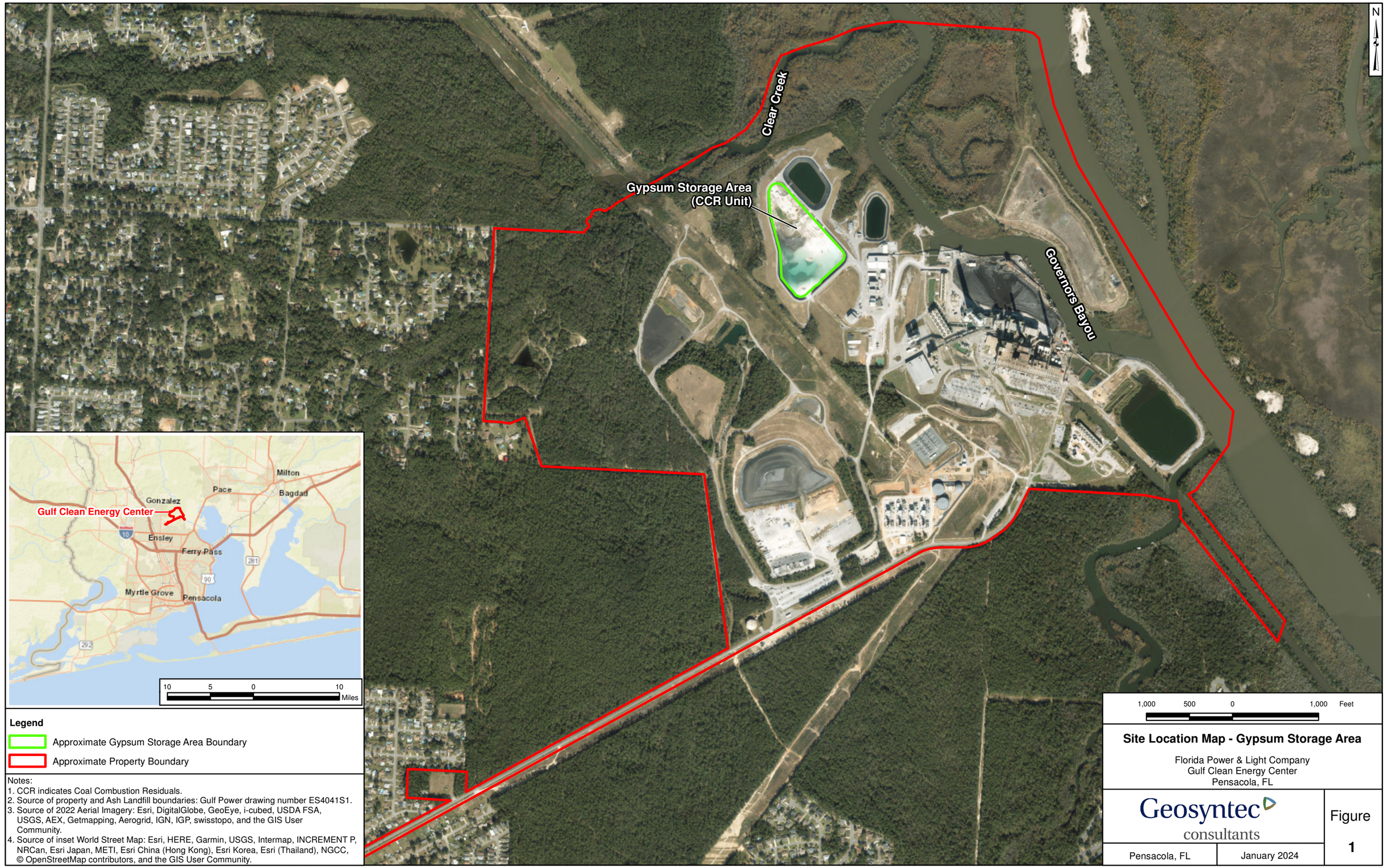
TABLE 6: SUMMARY OF SUPPLEMENTAL SAMPLING ACTIVITIES
Florida Power & Light Company - Gulf Clean Energy Center, Gypsum Storage Area, Pensacola, Florida

Sample ID	Sample Type	Sample Date	Sample Collection Depth (ft bgs/ft bTOC[3])	Total Radium Concentration (pCi/L)
Gypsum Storage Pond - CCR Material[7]				
SS-1 0.5'	Solid	8/3/2023	0.5	0.422 U
SS-1 2.0'	Solid	8/3/2023	2.0	1.43 I
SS-2 0.5'	Solid	8/3/2023	0.5	-0.0533 U
SS-2 2.0'	Solid	8/3/2023	2.0	0.657 U
SS-3 0.5'	Solid	8/3/2023	0.5	0.402 U
SS-3 2.0'	Solid	8/3/2023	2.0	0.498 U
SS-4 0.5'	Solid	8/3/2023	0.5	1.49 I
SS-4 2.0'	Solid	8/3/2023	2.0	0.357 U
Monitoring Well - Groundwater				
GW-01	Water	8/3/2023	34	1.11 I

Notes:

1. "ft bgs" indicates feet below ground surface; "ft bTOC" indicates feet below top of casing; "pCi/L" indicates picocuries per liter; CCR indicates Coal Combustion Residuals.
2. "U" indicates analyte was analyzed but not detected.
3. Sample collection depth is measured in ft bgs for solid samples, and in ft bTOC for water sample.
4. "I" indicates that the reported value is between the laboratory method detection limit and laboratory practical quantitation limit.
5. "Total Radium" is defined as the combined concentrations of radium-226 and radium-228.
6. Sample locations are represented in Figure 5 of this report.
7. CCR Material samples were analyzed for total radium by the synthetic precipitation leaching procedure.
8. Laboratory reports and field sheets associated with this data are included in Appendix A of this report.

FIGURES



Legend

- Approximate Gypsum Storage Area Boundary
- Approximate Property Boundary

Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Ash Landfill boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2022 Aerial Imagery: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.
4. Source of inset World Street Map: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community.

Site Location Map - Gypsum Storage Area

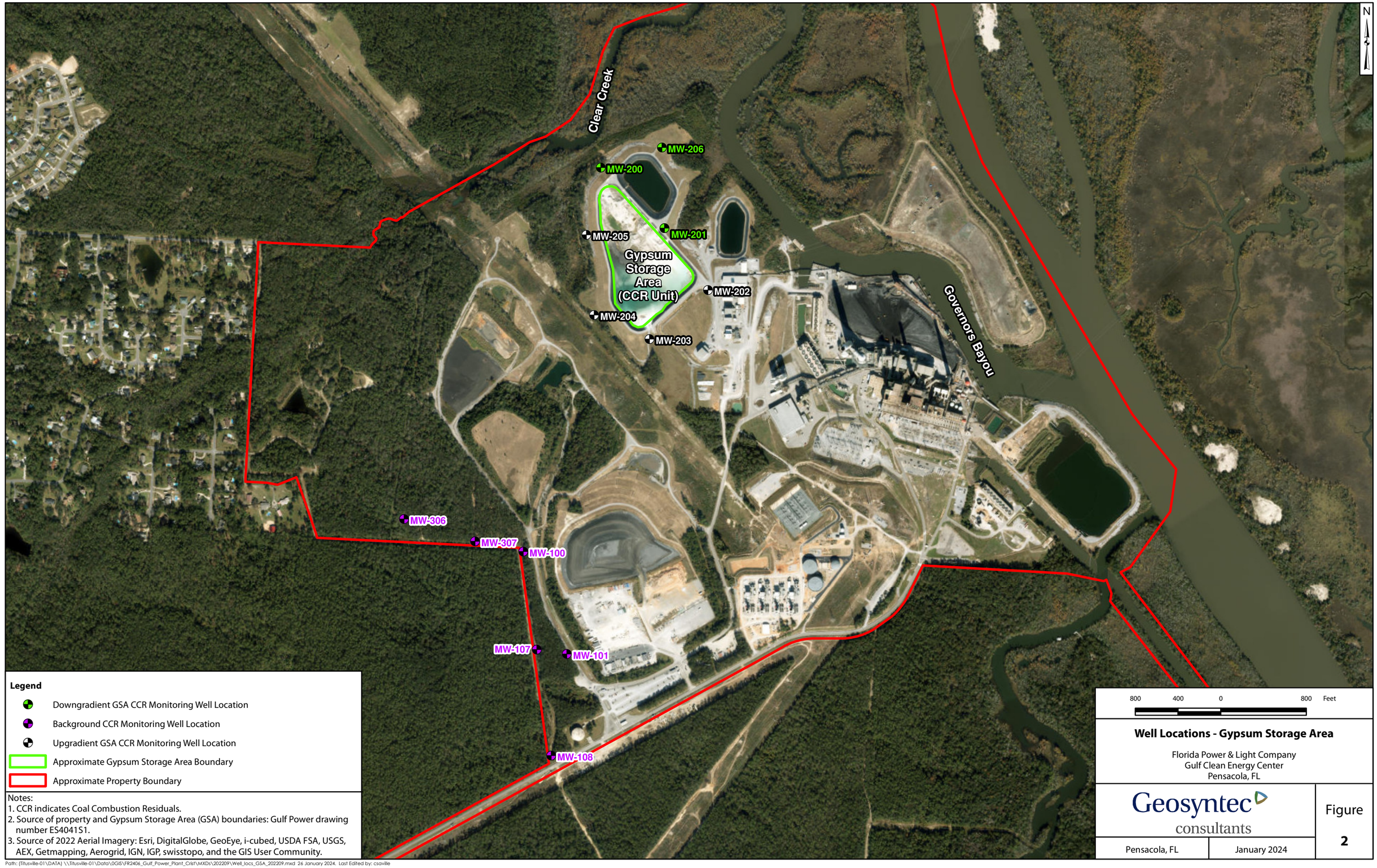
Florida Power & Light Company
Gulf Clean Energy Center
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2024

Figure 1

Path: [Titusville-01\DATA] \\Titusville-01\Data\0GIS\FR2406_Gulf_Power_Plant_Crist\MXDs\202209\GSA_SiteLocationMap.mxd 11 December 2023. Last Edited by: csaville



Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area (GSA) boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2022 Aerial Imagery: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

Well Locations - Gypsum Storage Area

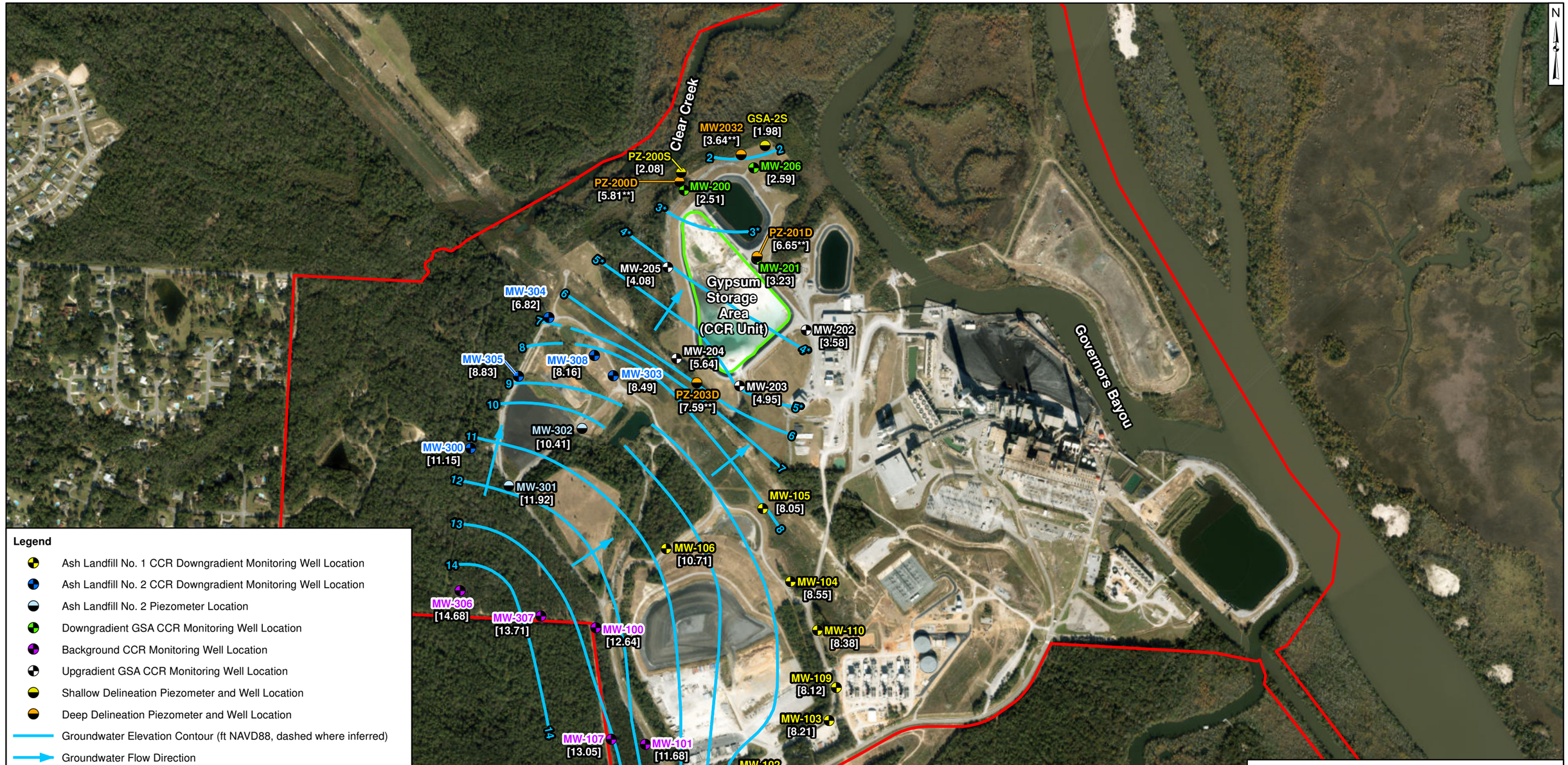
Florida Power & Light Company
Gulf Clean Energy Center
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2024

Figure **2**

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR2406_Gulf_Power_Plant_Crist\MXDs\202209\Well_locs_GSA_202209.mxd 26 January 2024. Last Edited by: csaville



Legend

- Ash Landfill No. 1 CCR Downgradient Monitoring Well Location
- Ash Landfill No. 2 CCR Downgradient Monitoring Well Location
- Ash Landfill No. 2 Piezometer Location
- Downgradient GSA CCR Monitoring Well Location
- Background CCR Monitoring Well Location
- Upgradient GSA CCR Monitoring Well Location
- Shallow Delineation Piezometer and Well Location
- Deep Delineation Piezometer and Well Location
- Groundwater Elevation Contour (ft NAVD88, dashed where inferred)
- Groundwater Flow Direction
- Approximate Gypsum Storage Area Boundary
- Approximate Property Boundary
- [12.64] Groundwater Elevation (ft NAVD88)

Notes:
1. CCR indicates Coal Combustion Residuals.
2. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
3. * indicates that groundwater elevation contours represent groundwater and not water contained within the lined impoundments.
4. ** Groundwater elevations at monitoring wells PZ-200D, PZ-201D, PZ-203D, and MW2032 were not used for potentiometric surface interpretation.
5. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
6. Source of 2022 Aerial Imagery: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

Groundwater Elevation Map
3 April 2023
Gypsum Storage Area

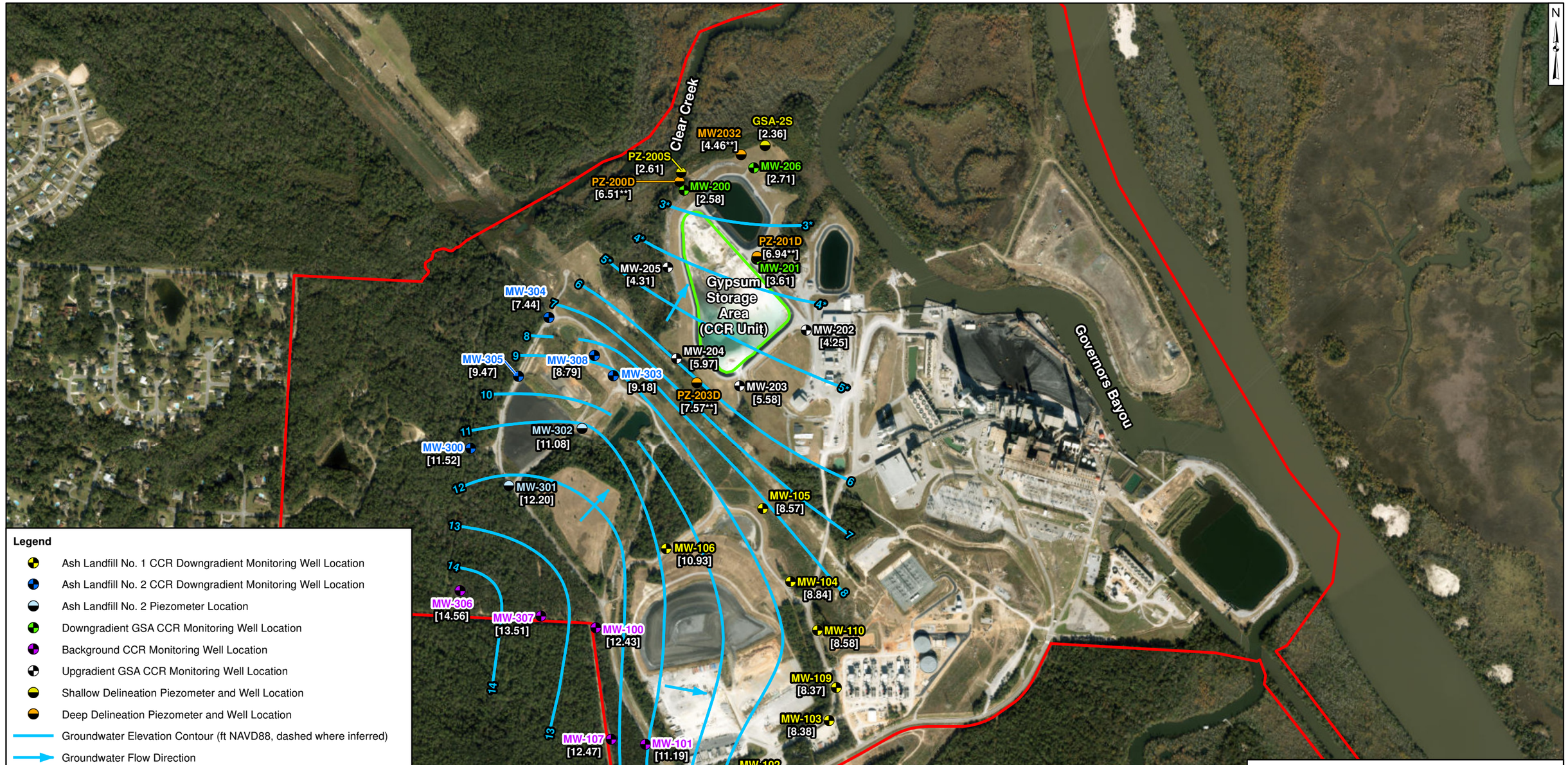
Florida Power & Light Company
Gulf Clean Energy Center
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2024

Figure 3

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR2406_Gulf_Power_Plant_Crist\MXDs\202312\GSA_GW_elev_Apr2023.mxd 08 January 2024. Last Edited by: csaville



Legend

- Ash Landfill No. 1 CCR Downgradient Monitoring Well Location
- Ash Landfill No. 2 CCR Downgradient Monitoring Well Location
- Ash Landfill No. 2 Piezometer Location
- Downgradient GSA CCR Monitoring Well Location
- Background CCR Monitoring Well Location
- Upgradient GSA CCR Monitoring Well Location
- Shallow Delineation Piezometer and Well Location
- Deep Delineation Piezometer and Well Location
- Groundwater Elevation Contour (ft NAVD88, dashed where inferred)
- Groundwater Flow Direction
- Approximate Gypsum Storage Area Boundary
- Approximate Property Boundary
- [12.89] Groundwater Elevation (ft NAVD88)

Notes:
1. CCR indicates Coal Combustion Residuals.
2. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
3. * indicates that groundwater elevation contours represent groundwater and not water contained within the lined impoundments.
4. ** Groundwater elevations at monitoring wells PZ-200D, PZ-201D, PZ-203D, and MW2032 were not used for potentiometric surface interpretation.
5. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
6. Source of 2022 Aerial Imagery: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

800 400 0 800 Feet

Groundwater Elevation Map
30 August 2023
Gypsum Storage Area

Florida Power & Light Company
Gulf Clean Energy Center
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2024

Figure 4

Path: (Tallahassee-01\DATA) \\Tallahassee-01\Data\GIS\FR2406_Gulf_Power_Plant_Crist\MXDs\202312\GSA_GW_elev_Aug2023r.mxd 08 January 2024. Last Edited by: csaville



Legend

- Other Site Well
- CCR Material Sample Location
- Approximate Gypsum Storage Area Boundary

Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2022 Aerial Imagery: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

200 100 0 200 Feet

Supplemental Sample Locations

Florida Power & Light Company
Gulf Clean Energy Center
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2024

Figure 5

Path: [Titusville-01\DATA] \\Titusville-01\Data\0GIS\FR2406_Gulf_Power_Plant_Crist\MXDs\202312\GSA_Radium.mxd 12 January 2024, Last Edited by: csaville

APPENDIX A

Laboratory Analytical, Field Sampling Reports, September 2022, April 2023, and September 2023 Data Validation Reports

Low-Flow Test Report:

Test Date / Time: 4/6/2023 10:00:49 AM
Project: GCEC CCR MW-100
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-100 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 109 ft** **Total Depth: 119 ft** **Initial Depth to Water: 90.8 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 114 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
P/C 77

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/6/2023 10:00 AM	00:00	4.96 pH	25.93 °C	40.07 µS/cm	9.66 mg/L		137.8 mV	90.80 ft	400.00 ml/min
4/6/2023 10:05 AM	05:00	4.82 pH	25.26 °C	39.49 µS/cm	9.30 mg/L	31.80 NTU	130.0 mV	90.91 ft	400.00 ml/min
4/6/2023 10:10 AM	10:00	4.79 pH	25.23 °C	39.75 µS/cm	9.16 mg/L	46.30 NTU	132.6 mV	90.91 ft	400.00 ml/min
4/6/2023 10:15 AM	15:00	4.79 pH	25.37 °C	39.54 µS/cm	8.82 mg/L	27.00 NTU	131.7 mV	90.91 ft	400.00 ml/min
4/6/2023 10:20 AM	20:00	4.79 pH	25.56 °C	39.58 µS/cm	8.77 mg/L	13.80 NTU	127.9 mV	90.91 ft	400.00 ml/min
4/6/2023 10:25 AM	25:00	4.79 pH	25.46 °C	39.56 µS/cm	8.72 mg/L	5.90 NTU	131.9 mV	90.91 ft	400.00 ml/min
4/6/2023 10:30 AM	30:00	4.78 pH	25.73 °C	39.66 µS/cm	8.65 mg/L	2.69 NTU	128.5 mV	90.91 ft	400.00 ml/min
4/6/2023 10:35 AM	35:00	4.79 pH	25.55 °C	39.66 µS/cm	8.74 mg/L	1.98 NTU	132.5 mV	90.91 ft	400.00 ml/min
4/6/2023 10:40 AM	40:00	4.78 pH	25.96 °C	39.64 µS/cm	8.77 mg/L	1.18 NTU	128.9 mV	90.91 ft	400.00 ml/min
4/6/2023 10:45 AM	45:00	4.79 pH	26.07 °C	39.63 µS/cm	8.69 mg/L	1.08 NTU	132.8 mV	90.91 ft	400.00 ml/min
4/6/2023 10:50 AM	50:00	4.79 pH	26.49 °C	39.82 µS/cm	8.72 mg/L	1.18 NTU	130.9 mV	90.91 ft	400.00 ml/min
4/6/2023 10:55 AM	55:00	4.78 pH	26.63 °C	39.65 µS/cm	8.68 mg/L	0.99 NTU	130.6 mV	90.91 ft	400.00 ml/min
4/6/2023 11:00 AM	01:00:00	4.79 pH	26.95 °C	39.62 µS/cm	8.52 mg/L	0.63 NTU	129.9 mV	90.91 ft	400.00 ml/min

4/6/2023 11:05 AM	01:05:00	4.79 pH	26.88 °C	39.48 µS/cm	8.65 mg/L	0.68 NTU	130.0 mV	90.91 ft	400.00 ml/min
4/6/2023 11:10 AM	01:10:00	4.79 pH	26.72 °C	39.28 µS/cm	8.66 mg/L	0.66 NTU	130.5 mV	90.91 ft	400.00 ml/min
4/6/2023 11:15 AM	01:15:00	4.80 pH	27.15 °C	39.38 µS/cm	8.58 mg/L	0.68 NTU	134.6 mV	90.91 ft	400.00 ml/min
4/6/2023 11:20 AM	01:20:00	4.80 pH	27.13 °C	39.33 µS/cm	8.59 mg/L	0.55 NTU	130.6 mV	90.91 ft	400.00 ml/min
4/6/2023 11:25 AM	01:25:00	4.80 pH	27.28 °C	39.37 µS/cm	8.63 mg/L	0.37 NTU	135.4 mV	90.91 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-100	Sample time 1128

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/6/2023 7:56:24 AM
Project: GCEC CCR MW-101
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-101 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 108.1 ft** **Total Depth: 118.1 ft** **Initial Depth to Water: 96.75 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 113.1 ft** **Estimated Total Volume Pumped: 10626 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 360 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
P/C 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/6/2023 7:56 AM	00:00	5.67 pH	22.57 °C	31.85 µS/cm	9.01 mg/L		111.2 mV	96.75 ft	360.00 ml/min
4/6/2023 8:00 AM	04:31	4.88 pH	21.37 °C	24.10 µS/cm	8.97 mg/L	1.20 NTU	109.2 mV	96.86 ft	360.00 ml/min
4/6/2023 8:05 AM	09:31	4.86 pH	21.34 °C	23.90 µS/cm	8.80 mg/L	0.38 NTU	104.6 mV	96.86 ft	360.00 ml/min
4/6/2023 8:10 AM	14:31	4.84 pH	21.39 °C	23.88 µS/cm	8.75 mg/L	0.28 NTU	105.6 mV	96.86 ft	360.00 ml/min
4/6/2023 8:15 AM	19:31	4.81 pH	21.47 °C	23.85 µS/cm	8.99 mg/L	0.26 NTU	104.0 mV	96.86 ft	360.00 ml/min
4/6/2023 8:20 AM	24:31	4.80 pH	21.32 °C	23.72 µS/cm	8.91 mg/L	0.14 NTU	107.8 mV	96.86 ft	360.00 ml/min
4/6/2023 8:25 AM	29:31	4.79 pH	21.42 °C	23.79 µS/cm	8.89 mg/L	0.23 NTU	110.3 mV	96.86 ft	360.00 ml/min

Samples

Sample ID:	Description:
MW-101	Sample time 0830

Low-Flow Test Report:

Test Date / Time: 4/6/2023 2:49:18 PM
Project: GCEC CCR MW-107
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-107 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 114 ft** **Total Depth: 124 ft** **Initial Depth to Water: 102.07 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 119 ft** **Estimated Total Volume Pumped: 18000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
P/C 85

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/6/2023 2:49 PM	00:00	4.91 pH	28.87 °C	24.51 µS/cm	10.22 mg/L		91.3 mV	102.07 ft	400.00 ml/min
4/6/2023 2:54 PM	05:00	4.88 pH	23.50 °C	23.85 µS/cm	10.17 mg/L	65.90 NTU	84.7 mV	102.14 ft	400.00 ml/min
4/6/2023 2:59 PM	10:00	4.88 pH	22.93 °C	24.02 µS/cm	10.33 mg/L	18.90 NTU	82.8 mV	102.14 ft	400.00 ml/min
4/6/2023 3:04 PM	15:00	4.88 pH	22.53 °C	24.07 µS/cm	9.93 mg/L	5.31 NTU	81.7 mV	102.14 ft	400.00 ml/min
4/6/2023 3:09 PM	20:00	4.88 pH	22.28 °C	23.98 µS/cm	9.84 mg/L	3.27 NTU	81.3 mV	102.14 ft	400.00 ml/min
4/6/2023 3:14 PM	25:00	4.87 pH	22.33 °C	23.85 µS/cm	9.73 mg/L	2.65 NTU	81.8 mV	102.14 ft	400.00 ml/min
4/6/2023 3:19 PM	30:00	4.86 pH	22.26 °C	23.86 µS/cm	9.62 mg/L	2.44 NTU	82.9 mV	102.14 ft	400.00 ml/min
4/6/2023 3:24 PM	35:00	4.86 pH	22.52 °C	23.84 µS/cm	9.56 mg/L	2.26 NTU	82.9 mV	102.14 ft	400.00 ml/min
4/6/2023 3:29 PM	40:00	4.87 pH	22.48 °C	23.80 µS/cm	9.51 mg/L	1.78 NTU	83.4 mV	102.14 ft	400.00 ml/min
4/6/2023 3:34 PM	45:00	4.88 pH	22.45 °C	23.72 µS/cm	9.48 mg/L	1.84 NTU	84.0 mV	102.14 ft	400.00 ml/min

Samples

Sample ID:	Description:

MW-107	Sample time 1540

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/6/2023 4:34:56 PM
Project: GCEC CCR MW-108
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-108 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 88 ft** **Total Depth: 98 ft** **Initial Depth to Water: 70.02 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 93 ft** **Estimated Total Volume Pumped: 8000 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: 852546**

Test Notes:

Weather Conditions:
Sunny 84

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/6/2023 4:34 PM	00:00	4.80 pH	23.40 °C	42.55 µS/cm	8.90 mg/L		92.5 mV	70.02 ft	400.00 ml/min
4/6/2023 4:39 PM	05:00	4.82 pH	22.98 °C	43.58 µS/cm	8.89 mg/L	4.28 NTU	93.3 mV	70.07 ft	400.00 ml/min
4/6/2023 4:44 PM	10:00	4.82 pH	22.80 °C	43.79 µS/cm	8.82 mg/L	2.44 NTU	90.1 mV	70.07 ft	400.00 ml/min
4/6/2023 4:49 PM	15:00	4.82 pH	22.73 °C	43.28 µS/cm	8.84 mg/L	1.69 NTU	90.9 mV	70.07 ft	400.00 ml/min
4/6/2023 4:54 PM	20:00	4.80 pH	22.71 °C	43.15 µS/cm	8.85 mg/L	1.14 NTU	94.3 mV	70.07 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-108	Sample time 1659
Dup-01	Fake sample time 1559

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/7/2023 8:05:31 AM
Project: GCEC CCR MW-306
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-306 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 83 ft** **Total Depth: 93 ft** **Initial Depth to Water: 56.14 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 88 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Fog 69

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/7/2023 8:05 AM	00:00	5.07 pH	21.34 °C	29.53 µS/cm	9.29 mg/L		99.8 mV	56.14 ft	400.00 ml/min
4/7/2023 8:10 AM	05:00	4.85 pH	20.88 °C	29.29 µS/cm	9.22 mg/L	3.47 NTU	92.6 mV	56.31 ft	400.00 ml/min
4/7/2023 8:15 AM	10:00	4.87 pH	20.84 °C	29.11 µS/cm	9.24 mg/L	3.48 NTU	88.3 mV	56.31 ft	400.00 ml/min
4/7/2023 8:20 AM	15:00	4.89 pH	20.84 °C	28.94 µS/cm	9.22 mg/L	3.08 NTU	86.7 mV	56.31 ft	400.00 ml/min
4/7/2023 8:25 AM	20:00	4.89 pH	20.84 °C	28.89 µS/cm	9.20 mg/L	2.22 NTU	88.4 mV	56.31 ft	400.00 ml/min
4/7/2023 8:30 AM	25:00	4.88 pH	20.88 °C	28.88 µS/cm	9.20 mg/L	2.35 NTU	87.3 mV	56.31 ft	400.00 ml/min
4/7/2023 8:35 AM	30:00	4.90 pH	20.93 °C	28.87 µS/cm	9.19 mg/L	2.18 NTU	87.0 mV	56.31 ft	400.00 ml/min
4/7/2023 8:40 AM	35:00	4.90 pH	20.95 °C	28.86 µS/cm	9.19 mg/L	1.55 NTU	87.7 mV	56.31 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-306	Sample time 0841

Low-Flow Test Report:

Test Date / Time: 4/6/2023 6:06:22 PM
Project: GCEC CCR MW-307
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-307 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 113 ft** **Total Depth: 123 ft** **Initial Depth to Water: 90.76 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 118 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Sunny 82

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/6/2023 6:06 PM	00:00	5.18 pH	23.50 °C	38.42 µS/cm	5.76 mg/L		139.0 mV	90.76 ft	400.00 ml/min
4/6/2023 6:11 PM	05:00	5.15 pH	21.84 °C	39.01 µS/cm	5.66 mg/L	1.46 NTU	142.9 mV	91.69 ft	400.00 ml/min
4/6/2023 6:16 PM	10:00	5.14 pH	21.60 °C	38.15 µS/cm	5.75 mg/L	0.51 NTU	136.9 mV	91.77 ft	400.00 ml/min
4/6/2023 6:21 PM	15:00	5.10 pH	21.50 °C	35.89 µS/cm	6.19 mg/L	0.56 NTU	138.0 mV	91.78 ft	400.00 ml/min
4/6/2023 6:26 PM	20:00	5.05 pH	21.40 °C	34.83 µS/cm	6.48 mg/L	0.26 NTU	131.0 mV	91.78 ft	400.00 ml/min
4/6/2023 6:31 PM	25:00	5.05 pH	21.37 °C	34.33 µS/cm	6.63 mg/L	0.41 NTU	127.4 mV	91.78 ft	400.00 ml/min
4/6/2023 6:36 PM	30:00	5.04 pH	21.28 °C	33.94 µS/cm	6.80 mg/L	0.27 NTU	130.2 mV	91.78 ft	400.00 ml/min
4/6/2023 6:41 PM	35:00	5.03 pH	21.32 °C	33.97 µS/cm	6.91 mg/L	0.25 NTU	125.2 mV	91.78 ft	400.00 ml/min
4/6/2023 6:46 PM	40:00	5.04 pH	21.28 °C	34.19 µS/cm	7.04 mg/L	0.24 NTU	124.6 mV	91.78 ft	400.00 ml/min
4/6/2023 6:51 PM	45:00	5.03 pH	21.28 °C	34.10 µS/cm	7.21 mg/L	0.19 NTU	124.2 mV	91.78 ft	400.00 ml/min
4/6/2023 6:56 PM	50:00	5.01 pH	21.21 °C	33.44 µS/cm	7.29 mg/L	0.18 NTU	124.7 mV	91.78 ft	400.00 ml/min
4/6/2023 7:01 PM	55:00	5.02 pH	21.12 °C	34.09 µS/cm	7.38 mg/L	0.14 NTU	123.8 mV	91.78 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-307	Sample time 1904

Low-Flow Test Report:

Test Date / Time: 4/11/2023 4:30:10 PM
Project: GCEC CCR MW-20o
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-200 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24 ft** **Total Depth: 34 ft** **Initial Depth to Water: 17.44 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 29 ft** **Estimated Total Volume Pumped: 46000 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: 994415**

Test Notes:

Weather Conditions:
Mostly cloudy, 73 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 4:30 PM	00:00	4.69 pH	21.94 °C	690.51 µS/cm	0.35 mg/L		155.1 mV	17.44 ft	400.00 ml/min
4/11/2023 4:35 PM	05:00	4.72 pH	21.27 °C	698.24 µS/cm	0.21 mg/L	7.44 NTU	115.6 mV	17.46 ft	400.00 ml/min
4/11/2023 4:40 PM	10:00	4.78 pH	21.20 °C	655.72 µS/cm	0.19 mg/L	7.37 NTU	158.4 mV	17.46 ft	400.00 ml/min
4/11/2023 4:45 PM	15:00	4.81 pH	21.18 °C	659.80 µS/cm	0.18 mg/L	5.60 NTU	104.8 mV	17.46 ft	400.00 ml/min
4/11/2023 4:50 PM	20:00	4.78 pH	21.20 °C	685.57 µS/cm	0.18 mg/L	3.76 NTU	157.9 mV	17.46 ft	400.00 ml/min
4/11/2023 4:55 PM	25:00	4.78 pH	21.19 °C	683.20 µS/cm	0.17 mg/L	3.17 NTU	105.1 mV	17.46 ft	400.00 ml/min
4/11/2023 5:00 PM	30:00	4.81 pH	21.18 °C	670.37 µS/cm	0.17 mg/L	2.04 NTU	104.9 mV	17.46 ft	400.00 ml/min
4/11/2023 5:05 PM	35:00	4.81 pH	21.17 °C	669.49 µS/cm	0.17 mg/L	1.91 NTU	105.0 mV	17.46 ft	400.00 ml/min
4/11/2023 5:10 PM	40:00	4.83 pH	21.14 °C	651.11 µS/cm	0.16 mg/L	1.60 NTU	105.3 mV	17.47 ft	400.00 ml/min
4/11/2023 5:15 PM	45:00	4.82 pH	21.17 °C	657.08 µS/cm	0.16 mg/L	2.21 NTU	104.3 mV	17.47 ft	400.00 ml/min
4/11/2023 5:20 PM	50:00	4.87 pH	21.15 °C	619.57 µS/cm	0.15 mg/L	2.30 NTU	157.6 mV	17.47 ft	400.00 ml/min
4/11/2023 5:25 PM	55:00	4.86 pH	21.14 °C	639.32 µS/cm	0.16 mg/L	1.57 NTU	104.2 mV	17.47 ft	400.00 ml/min
4/11/2023 5:30 PM	01:00:00	4.83 pH	21.14 °C	664.20 µS/cm	0.16 mg/L	1.09 NTU	102.5 mV	17.47 ft	400.00 ml/min

4/11/2023 5:35 PM	01:05:00	4.83 pH	21.13 °C	676.67 µS/cm	0.15 mg/L	1.01 NTU	100.0 mV	17.47 ft	400.00 ml/min
4/11/2023 5:40 PM	01:10:00	4.87 pH	21.14 °C	633.41 µS/cm	0.17 mg/L	1.39 NTU	158.9 mV	17.47 ft	400.00 ml/min
4/11/2023 5:45 PM	01:15:00	4.82 pH	21.11 °C	648.07 µS/cm	0.16 mg/L	1.16 NTU	161.4 mV	17.47 ft	400.00 ml/min
4/11/2023 5:50 PM	01:20:00	4.83 pH	21.10 °C	660.92 µS/cm	0.15 mg/L	0.94 NTU	102.0 mV	17.47 ft	400.00 ml/min
4/11/2023 5:55 PM	01:25:00	4.82 pH	21.09 °C	674.92 µS/cm	0.15 mg/L	0.75 NTU	99.4 mV	17.47 ft	400.00 ml/min
4/11/2023 6:00 PM	01:30:00	4.86 pH	21.09 °C	639.32 µS/cm	0.15 mg/L	0.64 NTU	98.6 mV	17.47 ft	400.00 ml/min
4/11/2023 6:05 PM	01:35:00	4.85 pH	21.09 °C	640.75 µS/cm	0.15 mg/L	5.57 NTU	97.3 mV	17.47 ft	400.00 ml/min
4/11/2023 6:10 PM	01:40:00	4.85 pH	21.05 °C	652.81 µS/cm	0.15 mg/L	4.11 NTU	146.9 mV	17.47 ft	400.00 ml/min
4/11/2023 6:15 PM	01:45:00	4.88 pH	21.06 °C	623.47 µS/cm	0.16 mg/L	3.48 NTU	97.5 mV	17.47 ft	400.00 ml/min
4/11/2023 6:20 PM	01:50:00	4.87 pH	21.02 °C	616.97 µS/cm	0.15 mg/L	2.46 NTU	96.6 mV	17.47 ft	400.00 ml/min
4/11/2023 6:25 PM	01:55:00	4.86 pH	21.01 °C	637.74 µS/cm	0.15 mg/L	2.43 NTU	95.3 mV	17.47 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-200	Sample time 1836

Low-Flow Test Report:

Test Date / Time: 4/11/2023 12:51:52 PM
Project: GCEC CCR MW-201
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-201 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 48.8 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 26000 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: 994415**

Test Notes:

Weather Conditions:
Mostly cloudy, 75 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 12:51 PM	00:00	5.18 pH	24.00 °C	767.40 µS/cm	1.17 mg/L		113.4 mV	48.80 ft	400.00 ml/min
4/11/2023 12:56 PM	05:00	5.09 pH	22.83 °C	770.58 µS/cm	0.59 mg/L	11.90 NTU	126.3 mV	48.83 ft	400.00 ml/min
4/11/2023 1:01 PM	10:00	5.00 pH	22.84 °C	726.24 µS/cm	0.52 mg/L	9.58 NTU	85.1 mV	48.83 ft	400.00 ml/min
4/11/2023 1:06 PM	15:00	4.98 pH	22.71 °C	724.61 µS/cm	0.50 mg/L	5.21 NTU	77.9 mV	48.83 ft	400.00 ml/min
4/11/2023 1:11 PM	20:00	4.96 pH	22.70 °C	714.90 µS/cm	0.51 mg/L	4.06 NTU	99.0 mV	48.83 ft	400.00 ml/min
4/11/2023 1:16 PM	25:00	4.94 pH	22.62 °C	711.76 µS/cm	0.52 mg/L	3.81 NTU	73.1 mV	48.83 ft	400.00 ml/min
4/11/2023 1:21 PM	30:00	4.94 pH	22.61 °C	712.69 µS/cm	0.52 mg/L	2.94 NTU	69.3 mV	48.83 ft	400.00 ml/min
4/11/2023 1:26 PM	35:00	4.93 pH	22.63 °C	712.56 µS/cm	0.50 mg/L	1.82 NTU	66.7 mV	48.83 ft	400.00 ml/min
4/11/2023 1:31 PM	40:00	4.94 pH	22.60 °C	716.11 µS/cm	0.48 mg/L	1.19 NTU	64.9 mV	48.83 ft	400.00 ml/min
4/11/2023 1:36 PM	45:00	4.92 pH	22.57 °C	712.62 µS/cm	0.47 mg/L	0.98 NTU	63.3 mV	48.83 ft	400.00 ml/min
4/11/2023 1:41 PM	50:00	4.93 pH	22.57 °C	716.61 µS/cm	0.44 mg/L	0.92 NTU	81.1 mV	48.83 ft	400.00 ml/min
4/11/2023 1:46 PM	55:00	4.92 pH	22.53 °C	708.95 µS/cm	0.44 mg/L	0.93 NTU	62.5 mV	48.83 ft	400.00 ml/min
4/11/2023 1:51 PM	01:00:00	4.95 pH	22.55 °C	719.20 µS/cm	0.42 mg/L	0.71 NTU	79.0 mV	48.83 ft	400.00 ml/min

4/11/2023 1:56 PM	01:05:00	4.94 pH	22.53 °C	719.91 µS/cm	0.41 mg/L	0.62 NTU	61.2 mV	48.83 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-201	Sample time 1410

Low-Flow Test Report:

Test Date / Time: 4/11/2023 8:25:12 AM
Project: GCEC CCR MW-202
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-202 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 52 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 53 ft** **Estimated Total Volume Pumped: 26000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Well screen was only partially submerged so we followed the FDEP guidelines for well screen partially submerged .

Weather Conditions:
Cloudy 60

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 8:25 AM	00:00	5.44 pH	19.87 °C	260.31 µS/cm	0.75 mg/L		85.3 mV	52.00 ft	400.00 ml/min
4/11/2023 8:30 AM	05:00	5.46 pH	20.84 °C	241.40 µS/cm	1.05 mg/L	10.00 NTU	81.6 mV	52.12 ft	400.00 ml/min
4/11/2023 8:35 AM	10:00	5.45 pH	20.79 °C	233.54 µS/cm	1.10 mg/L	7.38 NTU	81.3 mV	52.12 ft	400.00 ml/min
4/11/2023 8:40 AM	15:00	5.44 pH	20.87 °C	215.99 µS/cm	1.11 mg/L	8.22 NTU	81.7 mV	52.12 ft	400.00 ml/min
4/11/2023 8:45 AM	20:00	5.40 pH	20.88 °C	197.19 µS/cm	1.30 mg/L	4.54 NTU	84.3 mV	52.12 ft	400.00 ml/min
4/11/2023 8:50 AM	25:00	5.36 pH	20.94 °C	179.33 µS/cm	1.60 mg/L	4.04 NTU	86.8 mV	52.12 ft	400.00 ml/min
4/11/2023 8:55 AM	30:00	5.34 pH	21.01 °C	165.17 µS/cm	1.78 mg/L	4.06 NTU	89.6 mV	52.12 ft	400.00 ml/min
4/11/2023 9:00 AM	35:00	5.33 pH	21.10 °C	160.37 µS/cm	1.95 mg/L	3.60 NTU	92.2 mV	52.12 ft	400.00 ml/min
4/11/2023 9:05 AM	40:00	5.30 pH	21.05 °C	151.98 µS/cm	2.17 mg/L	3.36 NTU	95.7 mV	52.12 ft	400.00 ml/min
4/11/2023 9:10 AM	45:00	5.29 pH	21.01 °C	145.77 µS/cm	2.22 mg/L	2.64 NTU	100.0 mV	52.12 ft	400.00 ml/min
4/11/2023 9:15 AM	50:00	5.31 pH	21.10 °C	149.64 µS/cm	2.15 mg/L	2.24 NTU	102.6 mV	52.12 ft	400.00 ml/min
4/11/2023 9:20 AM	55:00	5.31 pH	21.15 °C	146.53 µS/cm	2.20 mg/L	1.98 NTU	105.7 mV	52.12 ft	400.00 ml/min
4/11/2023 9:25 AM	01:00:00	5.29 pH	21.18 °C	144.27 µS/cm	2.10 mg/L	1.71 NTU	109.5 mV	52.12 ft	400.00 ml/min

4/11/2023 9:30 AM	01:05:00	5.29 pH	21.19 °C	143.75 µS/cm	2.18 mg/L	1.69 NTU	113.2 mV	52.12 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-202	Sample time 0931

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/11/2023 10:23:43 AM
Project: GCEC CCR MW-203
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-203 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53 ft** **Total Depth: 63 ft** **Initial Depth to Water: 45.74 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 58 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
P/C 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 10:23 AM	00:00	5.52 pH	21.57 °C	245.49 µS/cm	1.98 mg/L		128.5 mV	45.74 ft	400.00 ml/min
4/11/2023 10:28 AM	05:00	5.55 pH	21.71 °C	251.04 µS/cm	1.68 mg/L	28.90 NTU	131.8 mV	45.86 ft	400.00 ml/min
4/11/2023 10:33 AM	10:00	5.57 pH	21.75 °C	255.53 µS/cm	1.57 mg/L	16.20 NTU	134.4 mV	45.86 ft	400.00 ml/min
4/11/2023 10:38 AM	15:00	5.59 pH	21.68 °C	262.48 µS/cm	1.58 mg/L	10.80 NTU	136.8 mV	45.86 ft	400.00 ml/min
4/11/2023 10:43 AM	20:00	5.61 pH	21.86 °C	265.68 µS/cm	1.59 mg/L	7.18 NTU	137.3 mV	45.86 ft	400.00 ml/min
4/11/2023 10:48 AM	25:00	5.62 pH	21.91 °C	268.63 µS/cm	1.60 mg/L	6.15 NTU	137.8 mV	45.86 ft	400.00 ml/min
4/11/2023 10:53 AM	30:00	5.64 pH	21.88 °C	274.85 µS/cm	1.65 mg/L	5.45 NTU	139.1 mV	45.86 ft	400.00 ml/min
4/11/2023 10:58 AM	35:00	5.65 pH	21.87 °C	275.69 µS/cm	1.65 mg/L	4.82 NTU	138.7 mV	45.86 ft	400.00 ml/min
4/11/2023 11:03 AM	40:00	5.65 pH	21.78 °C	275.79 µS/cm	1.66 mg/L	4.43 NTU	138.6 mV	45.86 ft	400.00 ml/min
4/11/2023 11:08 AM	45:00	5.65 pH	21.91 °C	277.20 µS/cm	1.65 mg/L	3.87 NTU	138.3 mV	45.86 ft	400.00 ml/min
4/11/2023 11:13 AM	50:00	5.65 pH	22.01 °C	278.59 µS/cm	1.67 mg/L	3.76 NTU	138.5 mV	45.86 ft	400.00 ml/min
4/11/2023 11:18 AM	55:00	5.66 pH	21.91 °C	278.44 µS/cm	1.67 mg/L	3.51 NTU	138.2 mV	45.86 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-203	Sample time 1121
EB-02	Sample time 1017
FB-02	Sample time 1010

Low-Flow Test Report:

Test Date / Time: 4/11/2023 2:31:53 PM
Project: GCEC CCR MW-204
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-204 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33 ft** **Initial Depth to Water: 13.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.87 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Cloudy 76

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 2:31 PM	00:00	4.28 pH	24.07 °C	915.10 µS/cm	5.16 mg/L		147.6 mV	13.91 ft	400.00 ml/min
4/11/2023 2:36 PM	05:00	4.27 pH	21.39 °C	958.68 µS/cm	0.23 mg/L	0.67 NTU	150.9 mV	14.97 ft	400.00 ml/min
4/11/2023 2:41 PM	10:00	4.30 pH	21.15 °C	966.69 µS/cm	0.20 mg/L	0.56 NTU	152.6 mV	15.71 ft	400.00 ml/min
4/11/2023 2:46 PM	15:00	4.31 pH	21.05 °C	963.72 µS/cm	0.19 mg/L	0.79 NTU	153.7 mV	15.77 ft	400.00 ml/min
4/11/2023 2:51 PM	20:00	4.31 pH	21.04 °C	960.50 µS/cm	0.18 mg/L	0.67 NTU	154.6 mV	15.78 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-204	Sample time 1456
Dup-04	Fake Sample time 1356

Low-Flow Test Report:

Test Date / Time: 4/11/2023 4:03:49 PM
Project: GCEC CCR MW-205
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-205 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33 ft** **Initial Depth to Water: 16.18 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Cloudy 73

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 4:03 PM	00:00	4.84 pH	20.82 °C	761.09 µS/cm	1.31 mg/L		144.0 mV	16.18 ft	400.00 ml/min
4/11/2023 4:08 PM	05:00	4.91 pH	20.75 °C	757.08 µS/cm	1.35 mg/L	0.42 NTU	145.3 mV	16.19 ft	400.00 ml/min
4/11/2023 4:13 PM	10:00	4.89 pH	20.72 °C	763.43 µS/cm	1.30 mg/L	0.28 NTU	143.4 mV	16.19 ft	400.00 ml/min
4/11/2023 4:18 PM	15:00	4.91 pH	20.75 °C	764.11 µS/cm	1.36 mg/L	0.24 NTU	143.2 mV	16.19 ft	400.00 ml/min
4/11/2023 4:23 PM	20:00	4.93 pH	20.75 °C	763.73 µS/cm	1.43 mg/L	0.11 NTU	142.9 mV	16.19 ft	400.00 ml/min
4/11/2023 4:28 PM	25:00	4.95 pH	20.68 °C	762.78 µS/cm	1.41 mg/L	0.12 NTU	142.7 mV	16.19 ft	400.00 ml/min
4/11/2023 4:33 PM	30:00	4.90 pH	20.70 °C	769.45 µS/cm	1.41 mg/L	0.12 NTU	142.6 mV	16.19 ft	400.00 ml/min
4/11/2023 4:38 PM	35:00	4.89 pH	20.70 °C	765.78 µS/cm	1.39 mg/L	0.14 NTU	142.3 mV	16.19 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-205	Sample time 1642

Low-Flow Test Report:

Test Date / Time: 4/11/2023 2:45:14 PM
Project: GCEC CCR MW-206
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-206 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38 ft** **Initial Depth to Water: 26.35 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 18000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Cloudy, 75 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/11/2023 2:45 PM	00:00	5.22 pH	23.38 °C	1,328.6 µS/cm	0.75 mg/L		105.6 mV	26.35 ft	400.00 ml/min
4/11/2023 2:50 PM	05:00	5.26 pH	22.79 °C	1,484.9 µS/cm	0.23 mg/L	2.77 NTU	80.6 mV	26.47 ft	400.00 ml/min
4/11/2023 2:55 PM	10:00	5.26 pH	22.79 °C	1,483.4 µS/cm	0.17 mg/L	1.94 NTU	68.9 mV	26.47 ft	400.00 ml/min
4/11/2023 3:00 PM	15:00	5.26 pH	22.73 °C	1,478.7 µS/cm	0.16 mg/L	1.51 NTU	61.7 mV	26.47 ft	400.00 ml/min
4/11/2023 3:05 PM	20:00	5.26 pH	22.63 °C	1,481.0 µS/cm	0.14 mg/L	1.35 NTU	56.5 mV	26.47 ft	400.00 ml/min
4/11/2023 3:10 PM	25:00	5.26 pH	22.57 °C	1,484.4 µS/cm	0.12 mg/L	1.45 NTU	52.7 mV	26.47 ft	400.00 ml/min
4/11/2023 3:15 PM	30:00	5.26 pH	22.57 °C	1,482.1 µS/cm	0.11 mg/L	1.00 NTU	49.8 mV	26.47 ft	400.00 ml/min
4/11/2023 3:20 PM	35:00	5.26 pH	22.57 °C	1,491.4 µS/cm	0.10 mg/L	0.90 NTU	47.9 mV	26.47 ft	400.00 ml/min
4/11/2023 3:25 PM	40:00	5.26 pH	22.58 °C	1,489.0 µS/cm	0.10 mg/L	0.85 NTU	45.9 mV	26.47 ft	400.00 ml/min
4/11/2023 3:30 PM	45:00	5.26 pH	22.54 °C	1,490.5 µS/cm	0.10 mg/L	0.71 NTU	44.4 mV	26.47 ft	400.00 ml/min

Samples

Sample ID:	Description:

MW-206	Sample time 1541

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/12/2023 12:44:09 PM
Project: GCEC CCR GSA-2S
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR GSA-2S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.55 ft** **Total Depth: 54.55 ft** **Initial Depth to Water: 21.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 50.5 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Cloudy 72

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/12/2023 12:44 PM	00:00	4.97 pH	22.44 °C	0.00 µS/cm	8.71 mg/L		28.2 mV	21.91 ft	400.00 ml/min
4/12/2023 12:49 PM	05:00	4.42 pH	22.17 °C	266.81 µS/cm	2.15 mg/L	7.44 NTU	109.9 mV	21.91 ft	400.00 ml/min
4/12/2023 12:54 PM	10:00	4.43 pH	22.17 °C	265.42 µS/cm	2.14 mg/L	4.01 NTU	109.3 mV	21.91 ft	400.00 ml/min
4/12/2023 12:59 PM	15:00	4.43 pH	22.13 °C	262.81 µS/cm	2.14 mg/L	1.63 NTU	109.7 mV	21.91 ft	400.00 ml/min
4/12/2023 1:04 PM	20:00	4.43 pH	22.11 °C	261.24 µS/cm	2.14 mg/L	0.53 NTU	109.8 mV	21.91 ft	400.00 ml/min
4/12/2023 1:09 PM	25:00	4.44 pH	22.13 °C	263.90 µS/cm	2.16 mg/L	0.45 NTU	109.7 mV	21.91 ft	400.00 ml/min
4/12/2023 1:14 PM	30:00	4.44 pH	22.14 °C	265.01 µS/cm	2.17 mg/L	0.35 NTU	110.0 mV	21.91 ft	400.00 ml/min

Samples

Sample ID:	Description:
GSA-2S	Sample time 1317

Low-Flow Test Report:

Test Date / Time: 4/12/2023 2:16:40 PM
Project: GCEC CCR PZ-2S
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR PZ-200S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 28.5 ft** **Total Depth: 33.5 ft** **Initial Depth to Water: 5.96 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Started to rain around 1510

Weather Conditions:
Cloudy 72

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/12/2023 2:16 PM	00:00	4.69 pH	21.47 °C	1,695.9 µS/cm	2.30 mg/L		139.2 mV	5.96 ft	400.00 ml/min
4/12/2023 2:21 PM	05:00	4.81 pH	20.54 °C	1,654.3 µS/cm	0.42 mg/L	92.60 NTU	134.1 mV	5.99 ft	400.00 ml/min
4/12/2023 2:26 PM	10:00	4.85 pH	20.48 °C	1,686.1 µS/cm	0.38 mg/L	38.00 NTU	132.4 mV	5.99 ft	400.00 ml/min
4/12/2023 2:31 PM	15:00	4.86 pH	20.43 °C	1,685.5 µS/cm	0.37 mg/L	11.30 NTU	132.6 mV	5.99 ft	400.00 ml/min
4/12/2023 2:36 PM	20:00	4.87 pH	20.39 °C	1,688.2 µS/cm	0.36 mg/L	8.67 NTU	132.8 mV	5.99 ft	400.00 ml/min
4/12/2023 2:41 PM	25:00	4.87 pH	20.35 °C	1,680.7 µS/cm	0.35 mg/L	4.73 NTU	132.9 mV	5.99 ft	400.00 ml/min
4/12/2023 2:46 PM	30:00	4.87 pH	20.34 °C	1,671.8 µS/cm	0.36 mg/L	3.61 NTU	132.9 mV	5.99 ft	400.00 ml/min
4/12/2023 2:51 PM	35:00	4.88 pH	20.34 °C	1,670.0 µS/cm	0.35 mg/L	2.89 NTU	133.0 mV	5.99 ft	400.00 ml/min
4/12/2023 2:56 PM	40:00	4.88 pH	20.35 °C	1,665.6 µS/cm	0.35 mg/L	2.22 NTU	133.1 mV	5.99 ft	400.00 ml/min
4/12/2023 3:01 PM	45:00	4.89 pH	20.33 °C	1,659.9 µS/cm	0.35 mg/L	1.63 NTU	133.0 mV	5.99 ft	400.00 ml/min
4/12/2023 3:06 PM	50:00	4.89 pH	20.30 °C	1,644.6 µS/cm	0.35 mg/L	1.13 NTU	132.9 mV	5.99 ft	400.00 ml/min
4/12/2023 3:11 PM	55:00	4.89 pH	20.24 °C	1,651.3 µS/cm	0.35 mg/L	0.99 NTU	133.0 mV	5.99 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-200S	Sample time 1514
EB-04	Sample time 1406
FB-04	Sample time 1410

Low-Flow Test Report:

Test Date / Time: 4/12/2023 2:54:48 PM
Project: GCEC CCR PZ-200D
Operator Name: Todd Voreis

Location Name: GCEC CCR PZ-200D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 141.5 ft** **Total Depth: 151.5 ft** **Initial Depth to Water: 6.09 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 146.5 ft** **Estimated Total Volume Pumped: 20000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Showers, 70 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/12/2023 2:54 PM	00:00	4.74 pH	22.16 °C	173.49 µS/cm	8.71 mg/L		161.4 mV	6.09 ft	400.00 ml/min
4/12/2023 2:59 PM	05:00	6.32 pH	20.67 °C	102.53 µS/cm	0.26 mg/L	9.40 NTU	14.8 mV	6.10 ft	400.00 ml/min
4/12/2023 3:04 PM	10:00	6.41 pH	20.61 °C	102.53 µS/cm	0.19 mg/L	6.83 NTU	9.9 mV	6.10 ft	400.00 ml/min
4/12/2023 3:09 PM	15:00	6.44 pH	20.57 °C	102.60 µS/cm	0.16 mg/L	6.01 NTU	6.2 mV	6.10 ft	400.00 ml/min
4/12/2023 3:14 PM	20:00	6.47 pH	20.56 °C	102.14 µS/cm	0.14 mg/L	6.48 NTU	5.2 mV	6.10 ft	400.00 ml/min
4/12/2023 3:19 PM	25:00	6.49 pH	20.52 °C	101.56 µS/cm	0.13 mg/L	6.54 NTU	4.8 mV	6.10 ft	400.00 ml/min
4/12/2023 3:24 PM	30:00	6.45 pH	20.51 °C	101.28 µS/cm	0.12 mg/L	5.38 NTU	6.2 mV	6.10 ft	400.00 ml/min
4/12/2023 3:29 PM	35:00	6.46 pH	20.50 °C	101.11 µS/cm	0.11 mg/L	5.50 NTU	6.4 mV	6.10 ft	400.00 ml/min
4/12/2023 3:34 PM	40:00	6.47 pH	20.49 °C	101.11 µS/cm	0.10 mg/L	5.04 NTU	4.7 mV	6.10 ft	400.00 ml/min
4/12/2023 3:39 PM	45:00	6.46 pH	20.51 °C	100.93 µS/cm	0.10 mg/L	5.40 NTU	5.4 mV	6.10 ft	400.00 ml/min
4/12/2023 3:44 PM	50:00	6.46 pH	20.52 °C	101.12 µS/cm	0.09 mg/L	5.49 NTU	3.9 mV	6.10 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-200D	Sample time 1556

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Low-Flow Test Report:

Test Date / Time: 4/12/2023 10:35:21 AM
Project: GCEC CCR MW-2032
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-2032 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 97.6 ft** **Total Depth: 102.6 ft** **Initial Depth to Water: 17.29 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 100.1 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

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	+/- 10	+/- 20	+/- 0.3	
4/12/2023 10:35 AM	00:00	5.52 pH	22.62 °C	136.69 µS/cm	7.03 mg/L		90.5 mV	17.29 ft	400.00 ml/min
4/12/2023 10:40 AM	05:00	4.78 pH	22.00 °C	142.21 µS/cm	2.79 mg/L	5.03 NTU	82.1 mV	18.23 ft	400.00 ml/min
4/12/2023 10:45 AM	10:00	4.56 pH	22.26 °C	107.23 µS/cm	2.95 mg/L	13.30 NTU	84.9 mV	18.31 ft	400.00 ml/min
4/12/2023 10:50 AM	15:00	4.49 pH	22.25 °C	96.90 µS/cm	3.31 mg/L	9.46 NTU	89.0 mV	18.35 ft	400.00 ml/min
4/12/2023 10:55 AM	20:00	4.42 pH	21.95 °C	94.07 µS/cm	3.49 mg/L	5.07 NTU	90.6 mV	18.36 ft	400.00 ml/min
4/12/2023 11:00 AM	25:00	4.41 pH	21.91 °C	89.61 µS/cm	3.53 mg/L	3.04 NTU	92.2 mV	18.36 ft	400.00 ml/min
4/12/2023 11:05 AM	30:00	4.40 pH	21.91 °C	88.14 µS/cm	3.62 mg/L	2.42 NTU	92.4 mV	18.36 ft	400.00 ml/min
4/12/2023 11:10 AM	35:00	4.40 pH	22.00 °C	88.17 µS/cm	3.62 mg/L	1.75 NTU	93.6 mV	18.36 ft	400.00 ml/min
4/12/2023 11:15 AM	40:00	4.41 pH	22.17 °C	88.52 µS/cm	3.66 mg/L	1.27 NTU	95.0 mV	18.36 ft	400.00 ml/min
4/12/2023 11:20 AM	45:00	4.41 pH	22.30 °C	88.51 µS/cm	3.66 mg/L	1.08 NTU	95.3 mV	18.36 ft	400.00 ml/min
4/12/2023 11:25 AM	50:00	4.42 pH	22.35 °C	86.92 µS/cm	3.72 mg/L	0.94 NTU	96.5 mV	18.36 ft	400.00 ml/min
4/12/2023 11:30 AM	55:00	4.42 pH	22.24 °C	88.18 µS/cm	3.72 mg/L	0.88 NTU	96.5 mV	18.36 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-2032	Sample time 1135
Dup-05	Fake sample time 1035

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Low-Flow Test Report:

Test Date / Time: 4/12/2023 9:59:31 AM
Project: GCEC CCR PZ-201D
Operator Name: Todd Voreis

Location Name: GCEC CCR PZ-201D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 184 ft** **Total Depth: 189 ft** **Initial Depth to Water: 45.39 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 186.5 ft** **Estimated Total Volume Pumped: 57400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 280 ml/min** **Final Draw Down: 1.66 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Partly cloudy, 63 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/12/2023 9:59 AM	00:00	6.64 pH	21.94 °C	87.50 µS/cm	0.20 mg/L		-43.9 mV	45.39 ft	280.00 ml/min
4/12/2023 10:04 AM	05:00	6.62 pH	22.08 °C	87.26 µS/cm	0.19 mg/L	83.70 NTU	-38.5 mV	46.78 ft	280.00 ml/min
4/12/2023 10:09 AM	10:00	6.63 pH	22.47 °C	87.97 µS/cm	0.18 mg/L	72.10 NTU	-58.5 mV	46.78 ft	280.00 ml/min
4/12/2023 10:14 AM	15:00	6.65 pH	22.57 °C	89.01 µS/cm	0.17 mg/L	62.40 NTU	-61.7 mV	46.78 ft	280.00 ml/min
4/12/2023 10:19 AM	20:00	6.63 pH	22.35 °C	87.58 µS/cm	0.16 mg/L	59.00 NTU	-57.7 mV	46.78 ft	280.00 ml/min
4/12/2023 10:24 AM	25:00	6.63 pH	21.97 °C	87.90 µS/cm	0.16 mg/L	55.50 NTU	-37.1 mV	46.78 ft	280.00 ml/min
4/12/2023 10:29 AM	30:00	6.64 pH	21.82 °C	89.10 µS/cm	0.15 mg/L	50.70 NTU	-38.3 mV	46.78 ft	280.00 ml/min
4/12/2023 10:34 AM	35:00	6.63 pH	21.90 °C	88.88 µS/cm	0.14 mg/L	41.80 NTU	-57.4 mV	46.78 ft	280.00 ml/min
4/12/2023 10:39 AM	40:00	6.63 pH	22.08 °C	88.64 µS/cm	0.14 mg/L	42.60 NTU	-38.2 mV	46.78 ft	280.00 ml/min
4/12/2023 10:44 AM	45:00	6.63 pH	22.07 °C	89.50 µS/cm	0.14 mg/L	37.10 NTU	-57.6 mV	46.78 ft	280.00 ml/min
4/12/2023 10:49 AM	50:00	6.65 pH	22.11 °C	90.35 µS/cm	0.13 mg/L	33.30 NTU	-60.7 mV	46.78 ft	280.00 ml/min
4/12/2023 10:54 AM	55:00	6.67 pH	21.93 °C	90.80 µS/cm	0.13 mg/L	29.30 NTU	-41.4 mV	46.85 ft	280.00 ml/min
4/12/2023 10:59 AM	01:00:00	6.65 pH	21.93 °C	90.23 µS/cm	0.13 mg/L	29.00 NTU	-40.3 mV	46.92 ft	280.00 ml/min

4/12/2023 11:04 AM	01:05:00	6.66 pH	21.92 °C	90.72 µS/cm	0.13 mg/L	25.90 NTU	-61.4 mV	46.94 ft	280.00 ml/min
4/12/2023 11:09 AM	01:10:00	6.66 pH	21.91 °C	90.48 µS/cm	0.13 mg/L	25.10 NTU	-60.7 mV	46.94 ft	280.00 ml/min
4/12/2023 11:14 AM	01:15:00	6.65 pH	22.12 °C	90.40 µS/cm	0.12 mg/L	23.30 NTU	-60.7 mV	46.94 ft	280.00 ml/min
4/12/2023 11:19 AM	01:20:00	6.65 pH	22.16 °C	90.36 µS/cm	0.12 mg/L	21.70 NTU	-60.6 mV	46.94 ft	280.00 ml/min
4/12/2023 11:24 AM	01:25:00	6.65 pH	22.17 °C	90.19 µS/cm	0.12 mg/L	21.00 NTU	-59.7 mV	46.94 ft	280.00 ml/min
4/12/2023 11:29 AM	01:30:00	6.65 pH	22.03 °C	90.09 µS/cm	0.12 mg/L	19.60 NTU	-59.3 mV	46.94 ft	280.00 ml/min
4/12/2023 11:34 AM	01:35:00	6.65 pH	21.98 °C	89.80 µS/cm	0.12 mg/L	17.70 NTU	-58.0 mV	46.94 ft	280.00 ml/min
4/12/2023 11:39 AM	01:40:00	6.65 pH	22.03 °C	89.90 µS/cm	0.12 mg/L	15.30 NTU	-57.9 mV	46.94 ft	280.00 ml/min
4/12/2023 11:44 AM	01:45:00	6.65 pH	22.17 °C	90.01 µS/cm	0.12 mg/L	15.60 NTU	-57.9 mV	46.94 ft	280.00 ml/min
4/12/2023 11:49 AM	01:50:00	6.65 pH	22.18 °C	89.73 µS/cm	0.12 mg/L	14.30 NTU	-57.6 mV	46.94 ft	280.00 ml/min
4/12/2023 11:54 AM	01:55:00	6.65 pH	22.14 °C	89.65 µS/cm	0.12 mg/L	13.10 NTU	-56.8 mV	46.98 ft	280.00 ml/min
4/12/2023 11:59 AM	02:00:00	6.65 pH	22.19 °C	89.59 µS/cm	0.12 mg/L	12.60 NTU	-56.2 mV	46.98 ft	280.00 ml/min
4/12/2023 12:04 PM	02:05:00	6.65 pH	22.16 °C	89.53 µS/cm	0.12 mg/L	12.30 NTU	-56.0 mV	46.98 ft	280.00 ml/min
4/12/2023 12:09 PM	02:10:00	6.65 pH	22.07 °C	89.51 µS/cm	0.12 mg/L	11.50 NTU	-55.4 mV	46.98 ft	280.00 ml/min
4/12/2023 12:14 PM	02:15:00	6.65 pH	22.04 °C	89.54 µS/cm	0.12 mg/L	10.90 NTU	-54.9 mV	47.01 ft	280.00 ml/min
4/12/2023 12:19 PM	02:20:00	6.65 pH	22.04 °C	89.32 µS/cm	0.12 mg/L	9.94 NTU	-54.5 mV	47.01 ft	280.00 ml/min
4/12/2023 12:24 PM	02:25:00	6.65 pH	22.08 °C	89.30 µS/cm	0.12 mg/L	10.10 NTU	-54.4 mV	47.01 ft	280.00 ml/min
4/12/2023 12:29 PM	02:30:00	6.65 pH	21.99 °C	89.01 µS/cm	0.12 mg/L	9.15 NTU	-53.3 mV	47.01 ft	280.00 ml/min
4/12/2023 12:34 PM	02:35:00	6.64 pH	21.96 °C	88.64 µS/cm	0.11 mg/L	9.45 NTU	-52.2 mV	47.05 ft	280.00 ml/min
4/12/2023 12:39 PM	02:40:00	6.64 pH	21.98 °C	88.70 µS/cm	0.11 mg/L	9.26 NTU	-51.7 mV	47.05 ft	280.00 ml/min
4/12/2023 12:44 PM	02:45:00	6.64 pH	21.98 °C	88.35 µS/cm	0.11 mg/L	7.82 NTU	-51.3 mV	47.05 ft	280.00 ml/min
4/12/2023 12:49 PM	02:50:00	6.64 pH	21.94 °C	88.62 µS/cm	0.11 mg/L	8.93 NTU	-50.7 mV	47.05 ft	280.00 ml/min
4/12/2023 12:54 PM	02:55:00	6.64 pH	21.94 °C	88.54 µS/cm	0.11 mg/L	8.34 NTU	-50.7 mV	47.05 ft	280.00 ml/min
4/12/2023 12:59 PM	03:00:00	6.64 pH	21.94 °C	88.63 µS/cm	0.11 mg/L	8.19 NTU	-50.0 mV	47.05 ft	280.00 ml/min
4/12/2023 1:04 PM	03:05:00	6.64 pH	21.94 °C	88.41 µS/cm	0.12 mg/L	7.31 NTU	-49.5 mV	47.05 ft	280.00 ml/min
4/12/2023 1:09 PM	03:10:00	6.64 pH	21.94 °C	88.63 µS/cm	0.11 mg/L	7.70 NTU	-49.3 mV	47.05 ft	280.00 ml/min
4/12/2023 1:14 PM	03:15:00	6.64 pH	21.94 °C	88.43 µS/cm	0.11 mg/L	7.49 NTU	-48.6 mV	47.05 ft	280.00 ml/min
4/12/2023 1:19 PM	03:20:00	6.64 pH	21.94 °C	88.29 µS/cm	0.12 mg/L	7.64 NTU	-48.0 mV	47.05 ft	280.00 ml/min
4/12/2023 1:24 PM	03:25:00	6.63 pH	21.94 °C	88.37 µS/cm	0.11 mg/L	7.01 NTU	-47.3 mV	47.05 ft	280.00 ml/min

Samples

Sample ID:	Description:
PZ-201D	Sample time 1336

Low-Flow Test Report:

Test Date / Time: 4/12/2023 8:59:18 AM
Project: GCEC CCR PZ-203D
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR PZ-203D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 197.3 ft** **Total Depth: 202.3 ft** **Initial Depth to Water: 7.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 199.8 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Cloudy 63

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/12/2023 8:59 AM	00:00	5.80 pH	18.39 °C	73.04 µS/cm	6.65 mg/L		109.3 mV	7.91 ft	400.00 ml/min
4/12/2023 9:04 AM	05:00	5.99 pH	20.33 °C	63.25 µS/cm	0.54 mg/L	9.17 NTU	104.7 mV	8.03 ft	400.00 ml/min
4/12/2023 9:09 AM	10:00	5.88 pH	20.57 °C	56.02 µS/cm	0.38 mg/L	7.30 NTU	101.2 mV	8.03 ft	400.00 ml/min
4/12/2023 9:14 AM	15:00	5.85 pH	20.65 °C	54.40 µS/cm	0.32 mg/L	7.01 NTU	96.6 mV	8.03 ft	400.00 ml/min
4/12/2023 9:19 AM	20:00	5.86 pH	20.66 °C	53.22 µS/cm	0.29 mg/L	7.32 NTU	94.4 mV	8.03 ft	400.00 ml/min
4/12/2023 9:24 AM	25:00	5.87 pH	20.68 °C	53.03 µS/cm	0.28 mg/L	7.45 NTU	92.5 mV	8.03 ft	400.00 ml/min
4/12/2023 9:29 AM	30:00	5.89 pH	20.66 °C	53.40 µS/cm	0.29 mg/L	8.37 NTU	91.7 mV	8.03 ft	400.00 ml/min
4/12/2023 9:34 AM	35:00	5.90 pH	20.70 °C	53.07 µS/cm	0.30 mg/L	8.03 NTU	91.0 mV	8.03 ft	400.00 ml/min
4/12/2023 9:39 AM	40:00	5.90 pH	20.73 °C	52.66 µS/cm	0.31 mg/L	8.35 NTU	90.0 mV	8.03 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-203D	Sample time 0943

EB-03	Sample time 0847
FB-03	Sample time 0840

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient A

JOB NUMBER

400-235780-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

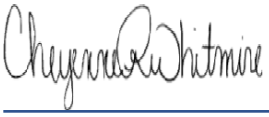
my EOL

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

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

Authorization



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Revision 1

Authorized for release by
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Job ID: 400-235780-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235780-1

Receipt
The samples were received on 4/7/2023 2:46 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2°C and 4.6°C

Metals
Method 6020: The ICV for batch 400-621014 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

Method 6020: The method blank for preparation batch 400-620542 and analytical batch 400-621014 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-620542 and analytical batch 400-621014 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020: The continuing calibration blank (CCB) for analytical batch 400-621014 contained Boron above the reporting limit (RL). All reported samples associated with this CCB were below the reporting limit for this analyte; therefore, re-analysis of samples was not performed.

Method 6020: The continuing calibration verification (CCV) associated with batch 400-621014 recovered above the upper control limit for Boron. The samples associated with this CCV were below the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-101 (400-235780-2), MW-107 (400-235780-3), MW-108 (400-235780-4), MW-306 (400-235780-5), MW-307 (400-235780-6) and DUP-01 (400-235780-7).

Method 6020: The ICV for batch 400-621410 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

General Chemistry
Method 2540C: The sample duplicate (DUP) precision for analytical batch 400-620260 was outside control limits. Sample non-homogeneity is suspected.

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

Comments
A malfunctioning valve on the sample dilution apparatus allowed acid to leach small amounts of chromium from the metal parts and contaminate the samples from that short time period. This was an anomalous event as the lab has not previously ever encountered this issue. The contamination ceased once the valve was replaced and staff have been advised on how to monitor or look for this issue going forward. Chromium has been re-digested, re-analyzed, and re-reported for the affected jobs/samples.

Revision
The report being provided is a revision of the original report sent on 5/7/2023. The report (revision 1) is being revised due to: Chromium data had to be rerun and reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-100 — Lab Sample ID: 400-235780-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.019		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.021	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.81		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0011	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.00084	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	34		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.80				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-101 — Lab Sample ID: 400-235780-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0093		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.048	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.42		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00087	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	24		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.79				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 400-235780-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.010		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.038	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.32		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00098	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	22		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.88				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-108 — Lab Sample ID: 400-235780-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.035	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	2.1		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00078	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0010	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-108 (Continued) — Lab Sample ID: 400-235780-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	14		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.8	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.80				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-306 — Lab Sample ID: 400-235780-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.011	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.49		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00072	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0015		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	24		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.90				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-307 — Lab Sample ID: 400-235780-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.018		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.012	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.68		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0022	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.00087	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	16		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.02				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-235780-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.012	I V J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	2.0		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00083	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	20		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.8	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.80				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235780-1	MW-100	Water	04/06/23 11:28	04/07/23 14:46
400-235780-2	MW-101	Water	04/06/23 08:30	04/07/23 14:46
400-235780-3	MW-107	Water	04/06/23 15:40	04/07/23 14:46
400-235780-4	MW-108	Water	04/06/23 16:59	04/07/23 14:46
400-235780-5	MW-306	Water	04/07/23 08:41	04/07/23 14:46
400-235780-6	MW-307	Water	04/06/23 19:04	04/07/23 14:46
400-235780-7	DUP-01	Water	04/06/23 15:59	04/07/23 14:46

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-100

Date Collected: 04/06/23 11:28
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 21:15	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 21:15	5
Barium	**0.019**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 21:15	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 21:15	5
Boron	**0.021**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/18/23 14:25	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 21:15	5
Calcium	**0.81**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 21:15	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:33	5
Cobalt	**0.0011**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 21:15	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 21:15	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 21:15	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 21:15	5
Selenium	**0.00084**	**I**	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 21:15	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 21:15	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**34**		5.0	5.0	mg/L			04/11/23 13:52	1
Chloride (SM 4500 Cl- E)	**4.3**		2.0	1.4	mg/L			04/16/23 21:27	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/10/23 14:30	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			04/17/23 22:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.80**				SU			04/06/23 11:28	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-101

Date Collected: 04/06/23 08:30
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 21:30	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 21:30	5
Barium	**0.0093**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 21:30	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 21:30	5
Boron	**0.048**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 21:30	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 21:30	5
Calcium	**0.42**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 21:30	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:36	5
Cobalt	**0.00087**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 21:30	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 21:30	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 21:30	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 21:30	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 21:30	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 21:30	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**24**		5.0	5.0	mg/L			04/11/23 13:52	1
Chloride (SM 4500 Cl- E)	**3.6**		2.0	1.4	mg/L			04/16/23 21:27	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/10/23 14:39	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			04/17/23 22:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.79**				SU			04/06/23 08:30	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-107

Date Collected: 04/06/23 15:40
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 21:34	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 21:34	5
Barium	**0.010**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 21:34	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 21:34	5
Boron	**0.038**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 21:34	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 21:34	5
Calcium	**0.32**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 21:34	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:52	5
Cobalt	**0.00098**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 21:34	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 21:34	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 21:34	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 21:34	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 21:34	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 21:34	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**22**		5.0	5.0	mg/L			04/10/23 13:38	1
Chloride (SM 4500 Cl- E)	**3.8**		2.0	1.4	mg/L			04/16/23 21:28	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 10:33	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			04/17/23 22:33	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.88**				SU			04/06/23 15:40	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-108

Date Collected: 04/06/23 16:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 21:37	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 21:37	5
Barium	**0.012**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 21:37	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 21:37	5
Boron	**0.035**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 21:37	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 21:37	5
Calcium	**2.1**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 21:37	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:55	5
Cobalt	**0.00078**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 21:37	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 21:37	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 21:37	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 21:37	5
Selenium	**0.0010**	**I**	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 21:37	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 21:37	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14**		5.0	5.0	mg/L			04/10/23 13:45	1
Chloride (SM 4500 Cl- E)	**4.2**		2.0	1.4	mg/L			04/16/23 21:29	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 10:33	1
Sulfate (SM 4500 SO4 E)	**4.8**	**I**	5.0	1.4	mg/L			04/17/23 22:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.80**				SU			04/06/23 16:59	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-306

Date Collected: 04/07/23 08:41
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 22:01	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 22:01	5
Barium	**0.012**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 22:01	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 22:01	5
Boron	**0.011**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 22:01	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 22:01	5
Calcium	**0.49**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 22:01	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:20	5
Cobalt	**0.00072**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 22:01	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 22:01	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 22:01	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 22:01	5
Selenium	**0.0015**		0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 22:01	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 22:01	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**24**		5.0	5.0	mg/L			04/10/23 13:45	1
Chloride (SM 4500 Cl- E)	**4.1**		2.0	1.4	mg/L			04/16/23 21:30	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 10:33	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			04/17/23 22:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.90**				SU			04/07/23 08:41	1

Client Sample ID: MW-307

Date Collected: 04/06/23 19:04
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 22:04	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 22:04	5
Barium	**0.018**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 22:04	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 22:04	5
Boron	**0.012**	**I**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 22:04	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 22:04	5
Calcium	**0.68**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 22:04	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:23	5
Cobalt	**0.0022**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 22:04	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 22:04	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 22:04	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 22:04	5
Selenium	**0.00087**	**I**	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 22:04	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 22:04	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**16**		5.0	5.0	mg/L			04/10/23 13:45	1
Chloride (SM 4500 Cl- E)	**4.2**		2.0	1.4	mg/L			04/16/23 21:29	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 10:33	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			04/17/23 22:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.02**				SU			04/06/23 19:04	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: DUP-01
Date Collected: 04/06/23 15:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-7
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 22:08	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 22:08	5
Barium	**0.012**		0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 22:08	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 22:08	5
Boron	**0.012**	**I V J3**	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 22:08	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 22:08	5
Calcium	**2.0**		0.25	0.13	mg/L		04/12/23 15:31	04/14/23 22:08	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:26	5
Cobalt	**0.00083**	**I**	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 22:08	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 22:08	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 22:08	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 22:08	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 22:08	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 22:08	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 11:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**20**		5.0	5.0	mg/L			04/10/23 13:45	1
Chloride (SM 4500 Cl- E)	**4.4**		2.0	1.4	mg/L			04/16/23 21:30	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:01	1
Sulfate (SM 4500 SO4 E)	**4.8**	**I**	5.0	1.4	mg/L			04/17/23 22:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.80**				SU			04/06/23 15:59	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-100
Date Collected: 04/06/23 11:28
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 21:15
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621366	NTH	EET PEN	04/18/23 14:25
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 14:33
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:12
Total/NA	Analysis	SM 2540C		1	620416	VB	EET PEN	04/11/23 13:52
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:27
Total/NA	Analysis	SM 4500 F C		1	620244	JP	EET PEN	04/10/23 14:30
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:30
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 11:28

Client Sample ID: MW-101
Date Collected: 04/06/23 08:30
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 21:30
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 14:36
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:13
Total/NA	Analysis	SM 2540C		1	620416	VB	EET PEN	04/11/23 13:52
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:27
Total/NA	Analysis	SM 4500 F C		1	620244	JP	EET PEN	04/10/23 14:39
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:31
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 08:30

Client Sample ID: MW-107
Date Collected: 04/06/23 15:40
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 21:34
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 14:52
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:15
Total/NA	Analysis	SM 2540C		1	620260	VB	EET PEN	04/10/23 13:38
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:28

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-107

Date Collected: 04/06/23 15:40
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	621297	JP	EET PEN	04/18/23 10:33
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:33
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 15:40

Client Sample ID: MW-108

Date Collected: 04/06/23 16:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 21:37
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 14:55
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:16
Total/NA	Analysis	SM 2540C		1	620261	VB	EET PEN	04/10/23 13:45
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:29
Total/NA	Analysis	SM 4500 F C		1	621297	JP	EET PEN	04/18/23 10:33
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:34
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 16:59

Client Sample ID: MW-306

Date Collected: 04/07/23 08:41
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 22:01
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:20
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:17
Total/NA	Analysis	SM 2540C		1	620261	VB	EET PEN	04/10/23 13:45
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:30
Total/NA	Analysis	SM 4500 F C		1	621297	JP	EET PEN	04/18/23 10:33
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:34
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/07/23 08:41

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Client Sample ID: MW-307
Date Collected: 04/06/23 19:04
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 22:04
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:23
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:21
Total/NA	Analysis	SM 2540C		1	620261	VB	EET PEN	04/10/23 13:45
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:29
Total/NA	Analysis	SM 4500 F C		1	621297	JP	EET PEN	04/18/23 10:33
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:35
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 19:04

Client Sample ID: DUP-01
Date Collected: 04/06/23 15:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620542	CJK	EET PEN	04/12/23 15:31 - 04/12/23 18:26 [1]
Total Recoverable	Analysis	6020		5	621014	NTH	EET PEN	04/14/23 22:08
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:26
Total/NA	Prep	7470A			620406	NET	EET PEN	04/11/23 13:00 - 04/12/23 16:24 [1]
Total/NA	Analysis	7470A		1	620592	NET	EET PEN	04/12/23 11:22
Total/NA	Analysis	SM 2540C		1	620261	VB	EET PEN	04/10/23 13:45
Total/NA	Analysis	SM 4500 Cl- E		1	621081	DN1	EET PEN	04/16/23 21:30
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:01
Total/NA	Analysis	SM 4500 SO4 E		1	621243	DN1	EET PEN	04/17/23 22:35
Total/NA	Analysis	Field Sampling		1	623092	S1K	EET PEN	04/06/23 15:59

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 620406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	7470A	
400-235780-2	MW-101	Total/NA	Water	7470A	
400-235780-3	MW-107	Total/NA	Water	7470A	
400-235780-4	MW-108	Total/NA	Water	7470A	
400-235780-5	MW-306	Total/NA	Water	7470A	
400-235780-6	MW-307	Total/NA	Water	7470A	
400-235780-7	DUP-01	Total/NA	Water	7470A	
MB 400-620406/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-620406/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-235801-H-3-B MS	Matrix Spike	Total/NA	Water	7470A	
400-235801-H-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 620542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total Recoverable	Water	3005A	
400-235780-2	MW-101	Total Recoverable	Water	3005A	
400-235780-3	MW-107	Total Recoverable	Water	3005A	
400-235780-4	MW-108	Total Recoverable	Water	3005A	
400-235780-5	MW-306	Total Recoverable	Water	3005A	
400-235780-6	MW-307	Total Recoverable	Water	3005A	
400-235780-7	DUP-01	Total Recoverable	Water	3005A	
MB 400-620542/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-620542/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235780-1 MS	MW-100	Total Recoverable	Water	3005A	
400-235780-1 MSD	MW-100	Total Recoverable	Water	3005A	

Analysis Batch: 620592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	7470A	620406
400-235780-2	MW-101	Total/NA	Water	7470A	620406
400-235780-3	MW-107	Total/NA	Water	7470A	620406
400-235780-4	MW-108	Total/NA	Water	7470A	620406
400-235780-5	MW-306	Total/NA	Water	7470A	620406
400-235780-6	MW-307	Total/NA	Water	7470A	620406
400-235780-7	DUP-01	Total/NA	Water	7470A	620406
MB 400-620406/14-A	Method Blank	Total/NA	Water	7470A	620406
LCS 400-620406/15-A	Lab Control Sample	Total/NA	Water	7470A	620406
400-235801-H-3-B MS	Matrix Spike	Total/NA	Water	7470A	620406
400-235801-H-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	620406

Analysis Batch: 621014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total Recoverable	Water	6020	620542
400-235780-2	MW-101	Total Recoverable	Water	6020	620542
400-235780-3	MW-107	Total Recoverable	Water	6020	620542
400-235780-4	MW-108	Total Recoverable	Water	6020	620542
400-235780-5	MW-306	Total Recoverable	Water	6020	620542
400-235780-6	MW-307	Total Recoverable	Water	6020	620542
400-235780-7	DUP-01	Total Recoverable	Water	6020	620542
MB 400-620542/1-A ^5	Method Blank	Total Recoverable	Water	6020	620542
LCS 400-620542/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	620542

Metals (Continued)

Analysis Batch: 621014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1 MS	MW-100	Total Recoverable	Water	6020	620542
400-235780-1 MSD	MW-100	Total Recoverable	Water	6020	620542

Analysis Batch: 621366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total Recoverable	Water	6020	620542
LCS 400-620542/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	620542

Prep Batch: 631915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total Recoverable	Water	3005A	
400-235780-2	MW-101	Total Recoverable	Water	3005A	
400-235780-3	MW-107	Total Recoverable	Water	3005A	
400-235780-4	MW-108	Total Recoverable	Water	3005A	
400-235780-5	MW-306	Total Recoverable	Water	3005A	
400-235780-6	MW-307	Total Recoverable	Water	3005A	
400-235780-7	DUP-01	Total Recoverable	Water	3005A	
MB 400-631915/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-631915/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235780-2 MS	MW-101	Total Recoverable	Water	3005A	
400-235780-2 MSD	MW-101	Total Recoverable	Water	3005A	

Analysis Batch: 632097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total Recoverable	Water	6020	631915
400-235780-2	MW-101	Total Recoverable	Water	6020	631915
400-235780-3	MW-107	Total Recoverable	Water	6020	631915
400-235780-4	MW-108	Total Recoverable	Water	6020	631915
400-235780-5	MW-306	Total Recoverable	Water	6020	631915
400-235780-6	MW-307	Total Recoverable	Water	6020	631915
400-235780-7	DUP-01	Total Recoverable	Water	6020	631915
MB 400-631915/1-A ^5	Method Blank	Total Recoverable	Water	6020	631915
LCS 400-631915/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	631915
400-235780-2 MS	MW-101	Total Recoverable	Water	6020	631915
400-235780-2 MSD	MW-101	Total Recoverable	Water	6020	631915

General Chemistry

Analysis Batch: 620244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	SM 4500 F C	
400-235780-2	MW-101	Total/NA	Water	SM 4500 F C	
MB 400-620244/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-620244/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-620244/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-235302-B-5 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-235302-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-235303-B-4 DU	Duplicate	Total/NA	Water	SM 4500 F C	

General Chemistry

Analysis Batch: 620260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-3	MW-107	Total/NA	Water	SM 2540C	
MB 400-620260/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620260/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235625-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 620261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-4	MW-108	Total/NA	Water	SM 2540C	
400-235780-5	MW-306	Total/NA	Water	SM 2540C	
400-235780-6	MW-307	Total/NA	Water	SM 2540C	
400-235780-7	DUP-01	Total/NA	Water	SM 2540C	
MB 400-620261/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620261/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235780-4 DU	MW-108	Total/NA	Water	SM 2540C	

Analysis Batch: 620416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	SM 2540C	
400-235780-2	MW-101	Total/NA	Water	SM 2540C	
MB 400-620416/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620416/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235780-1 DU	MW-100	Total/NA	Water	SM 2540C	

Analysis Batch: 621081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-235780-2	MW-101	Total/NA	Water	SM 4500 Cl- E	
400-235780-3	MW-107	Total/NA	Water	SM 4500 Cl- E	
400-235780-4	MW-108	Total/NA	Water	SM 4500 Cl- E	
400-235780-5	MW-306	Total/NA	Water	SM 4500 Cl- E	
400-235780-6	MW-307	Total/NA	Water	SM 4500 Cl- E	
400-235780-7	DUP-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-621081/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-621081/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-621081/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-235780-2 MS	MW-101	Total/NA	Water	SM 4500 Cl- E	
400-235780-2 MSD	MW-101	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 621243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	SM 4500 SO4 E	
400-235780-2	MW-101	Total/NA	Water	SM 4500 SO4 E	
400-235780-3	MW-107	Total/NA	Water	SM 4500 SO4 E	
400-235780-4	MW-108	Total/NA	Water	SM 4500 SO4 E	
400-235780-5	MW-306	Total/NA	Water	SM 4500 SO4 E	
400-235780-6	MW-307	Total/NA	Water	SM 4500 SO4 E	
400-235780-7	DUP-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-621243/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-621243/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-621243/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235780-2 MS	MW-101	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 621243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-2 MSD	MW-101	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 621297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-3	MW-107	Total/NA	Water	SM 4500 F C	
400-235780-4	MW-108	Total/NA	Water	SM 4500 F C	
400-235780-5	MW-306	Total/NA	Water	SM 4500 F C	
400-235780-6	MW-307	Total/NA	Water	SM 4500 F C	
MB 400-621297/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621297/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621297/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-235804-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-235804-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-235852-B-1 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 621299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-7	DUP-01	Total/NA	Water	SM 4500 F C	
MB 400-621299/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621299/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621299/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-235780-7 MS	DUP-01	Total/NA	Water	SM 4500 F C	
400-235780-7 MSD	DUP-01	Total/NA	Water	SM 4500 F C	
400-235962-B-10 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 623092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	Field Sampling	
400-235780-2	MW-101	Total/NA	Water	Field Sampling	
400-235780-3	MW-107	Total/NA	Water	Field Sampling	
400-235780-4	MW-108	Total/NA	Water	Field Sampling	
400-235780-5	MW-306	Total/NA	Water	Field Sampling	
400-235780-6	MW-307	Total/NA	Water	Field Sampling	
400-235780-7	DUP-01	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-620542/1-A ^5
Matrix: Water
Analysis Batch: 621014

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/12/23 15:31	04/14/23 16:06	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/12/23 15:31	04/14/23 16:06	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/12/23 15:31	04/14/23 16:06	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/12/23 15:31	04/14/23 16:06	5
Boron	0.00165	I	0.050	0.0012	mg/L		04/12/23 15:31	04/14/23 16:06	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/12/23 15:31	04/14/23 16:06	5
Calcium	0.13	U	0.25	0.13	mg/L		04/12/23 15:31	04/14/23 16:06	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/12/23 15:31	04/14/23 16:06	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/12/23 15:31	04/14/23 16:06	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/12/23 15:31	04/14/23 16:06	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/12/23 15:31	04/14/23 16:06	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/12/23 15:31	04/14/23 16:06	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/12/23 15:31	04/14/23 16:06	5

Lab Sample ID: LCS 400-620542/2-A ^5
Matrix: Water
Analysis Batch: 621014

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0507		mg/L		101	80 - 120
Arsenic	0.0500	0.0472		mg/L		94	80 - 120
Barium	0.0500	0.0513		mg/L		103	80 - 120
Beryllium	0.0500	0.0469		mg/L		94	80 - 120
Cadmium	0.0500	0.0502		mg/L		100	80 - 120
Calcium	5.00	5.11		mg/L		102	80 - 120
Cobalt	0.0500	0.0516		mg/L		103	80 - 120
Lead	0.0500	0.0481		mg/L		96	80 - 120
Lithium	0.0500	0.0462		mg/L		92	80 - 120
Molybdenum	0.0500	0.0492		mg/L		98	80 - 120
Selenium	0.0500	0.0468		mg/L		94	80 - 120
Thallium	0.0100	0.00996		mg/L		100	80 - 120

Lab Sample ID: LCS 400-620542/2-A ^5
Matrix: Water
Analysis Batch: 621366

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.0830		mg/L		83	80 - 120

Lab Sample ID: 400-235780-1 MS
Matrix: Water
Analysis Batch: 621014

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0525		mg/L		105	75 - 125
Arsenic	0.0012	U	0.0500	0.0481		mg/L		96	75 - 125
Barium	0.019		0.0500	0.0698		mg/L		102	75 - 125
Beryllium	0.00092	U	0.0500	0.0496		mg/L		99	75 - 125
Boron	0.13	J3	0.100	0.165	J3	mg/L		37	75 - 125

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

Lab Sample ID: 400-235780-1 MS
Matrix: Water
Analysis Batch: 621014

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.00065	U	0.0500	0.0523		mg/L		105	75 - 125
Calcium	0.81		5.00	6.10		mg/L		106	75 - 125
Cobalt	0.0011	I	0.0500	0.0528		mg/L		103	75 - 125
Lead	0.00081	U	0.0500	0.0495		mg/L		99	75 - 125
Lithium	0.0049	U	0.0500	0.0511		mg/L		102	75 - 125
Molybdenum	0.0013	U	0.0500	0.0504		mg/L		101	75 - 125
Selenium	0.00084	I	0.0500	0.0476		mg/L		93	75 - 125
Thallium	0.00046	U	0.0100	0.00977		mg/L		98	75 - 125

Lab Sample ID: 400-235780-1 MSD
Matrix: Water
Analysis Batch: 621014

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 620542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0474		mg/L		95	75 - 125	10	20
Arsenic	0.0012	U	0.0500	0.0427		mg/L		85	75 - 125	12	20
Barium	0.019		0.0500	0.0629		mg/L		88	75 - 125	10	20
Beryllium	0.00092	U	0.0500	0.0438		mg/L		88	75 - 125	12	20
Boron	0.13	J3	0.100	0.149	J3	mg/L		20	75 - 125	11	20
Cadmium	0.00065	U	0.0500	0.0458		mg/L		92	75 - 125	13	20
Calcium	0.81		5.00	5.33		mg/L		90	75 - 125	13	20
Cobalt	0.0011	I	0.0500	0.0467		mg/L		91	75 - 125	12	20
Lead	0.00081	U	0.0500	0.0442		mg/L		88	75 - 125	11	20
Lithium	0.0049	U	0.0500	0.0428		mg/L		86	75 - 125	18	20
Molybdenum	0.0013	U	0.0500	0.0475		mg/L		95	75 - 125	6	20
Selenium	0.00084	I	0.0500	0.0435		mg/L		85	75 - 125	9	20
Thallium	0.00046	U	0.0100	0.00873		mg/L		87	75 - 125	11	20

Lab Sample ID: MB 400-631915/1-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:27	5

Lab Sample ID: LCS 400-631915/2-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0500	0.0486		mg/L		97	80 - 120

Lab Sample ID: 400-235780-2 MS
Matrix: Water
Analysis Batch: 632097

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0010	U	0.0500	0.0519		mg/L		104	75 - 125

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

Lab Sample ID: 400-235780-2 MSD
Matrix: Water
Analysis Batch: 632097

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.0010	U	0.0500	0.0530		mg/L		106	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-620406/14-A
Matrix: Water
Analysis Batch: 620592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620406

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/11/23 13:00	04/12/23 10:46	1

Lab Sample ID: LCS 400-620406/15-A
Matrix: Water
Analysis Batch: 620592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000900		mg/L		89	80 - 120

Lab Sample ID: 400-235801-H-3-B MS
Matrix: Water
Analysis Batch: 620592

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 620406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00179		mg/L		89	80 - 120

Lab Sample ID: 400-235801-H-3-C MSD
Matrix: Water
Analysis Batch: 620592

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 620406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00181		mg/L		90	80 - 120	1	20

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

Lab Sample ID: MB 400-620260/1
Matrix: Water
Analysis Batch: 620260

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/10/23 13:38	1

Lab Sample ID: LCS 400-620260/2
Matrix: Water
Analysis Batch: 620260

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	293	262		mg/L		89	78 - 122

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

Lab Sample ID: 400-235625-A-2 DU
Matrix: Water
Analysis Batch: 620260

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	56			60.0	J3	mg/L				7	5

Lab Sample ID: MB 400-620261/1
Matrix: Water
Analysis Batch: 620261

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/10/23 13:45	1

Lab Sample ID: LCS 400-620261/2
Matrix: Water
Analysis Batch: 620261

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			293	328		mg/L		112	78 - 122		

Lab Sample ID: 400-235780-4 DU
Matrix: Water
Analysis Batch: 620261

Client Sample ID: MW-108
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	14			14.0		mg/L				0	5

Lab Sample ID: MB 400-620416/1
Matrix: Water
Analysis Batch: 620416

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/11/23 13:52	1

Lab Sample ID: LCS 400-620416/2
Matrix: Water
Analysis Batch: 620416

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			293	274		mg/L		94	78 - 122		

Lab Sample ID: 400-235780-1 DU
Matrix: Water
Analysis Batch: 620416

Client Sample ID: MW-100
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	34			48.0		mg/L				34	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-621081/13
Matrix: Water
Analysis Batch: 621081

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/16/23 21:19	1

Lab Sample ID: LCS 400-621081/14
Matrix: Water
Analysis Batch: 621081

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	52.0		mg/L		104	90 - 110

Lab Sample ID: MRL 400-621081/15
Matrix: Water
Analysis Batch: 621081

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.79	I	mg/L		89	50 - 150

Lab Sample ID: 400-235780-2 MS
Matrix: Water
Analysis Batch: 621081

Client Sample ID: MW-101
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.6		10.0	12.9		mg/L		94	73 - 120

Lab Sample ID: 400-235780-2 MSD
Matrix: Water
Analysis Batch: 621081

Client Sample ID: MW-101
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.6		10.0	13.2		mg/L		97	73 - 120	2	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-620244/10
Matrix: Water
Analysis Batch: 620244

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/10/23 13:14	1

Lab Sample ID: LCS 400-620244/12
Matrix: Water
Analysis Batch: 620244

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.12		mg/L		102	90 - 110

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-620244/11
Matrix: Water
Analysis Batch: 620244

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.0974	I	mg/L		97			

Lab Sample ID: 400-235302-B-5 MS
Matrix: Water
Analysis Batch: 620244

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.070	U	0.100	0.110		mg/L		110	75 - 125		

Lab Sample ID: 400-235302-B-5 MSD
Matrix: Water
Analysis Batch: 620244

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.114		mg/L		114	75 - 125	4	4

Lab Sample ID: 400-235303-B-4 DU
Matrix: Water
Analysis Batch: 620244

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.11			0.110		mg/L				4	4

Lab Sample ID: MB 400-621297/10
Matrix: Water
Analysis Batch: 621297

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/18/23 10:33	1

Lab Sample ID: LCS 400-621297/12
Matrix: Water
Analysis Batch: 621297

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			5.00	5.05		mg/L		101	90 - 110		

Lab Sample ID: MRL 400-621297/11
Matrix: Water
Analysis Batch: 621297

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.0949	I	mg/L		95			

Lab Sample ID: 400-235804-B-1 MS
Matrix: Water
Analysis Batch: 621297

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.31		0.100	0.397		mg/L		84	75 - 125		

Method: SM 4500 F C - Fluoride

Lab Sample ID: 400-235804-B-1 MSD
Matrix: Water
Analysis Batch: 621297

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.31		0.100	0.397		mg/L		84	75 - 125	0	4

Lab Sample ID: 400-235852-B-1 DU
Matrix: Water
Analysis Batch: 621297

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.070	U	0.070	U	mg/L		NC	4

Lab Sample ID: MB 400-621299/10
Matrix: Water
Analysis Batch: 621299

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/18/23 12:52	1

Lab Sample ID: LCS 400-621299/12
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.05		mg/L		101	90 - 110

Lab Sample ID: MRL 400-621299/11
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0949	I	mg/L		95	

Lab Sample ID: 400-235780-7 MS
Matrix: Water
Analysis Batch: 621299

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.070	U	0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 400-235780-7 MSD
Matrix: Water
Analysis Batch: 621299

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.107		mg/L		107	75 - 125	4	4

Lab Sample ID: 400-235962-B-10 DU
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.070	U	0.070	U	mg/L		NC	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-621243/5
Matrix: Water
Analysis Batch: 621243

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			04/17/23 22:21	1

Lab Sample ID: LCS 400-621243/6
Matrix: Water
Analysis Batch: 621243

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.8		mg/L		99	90 - 110		

Lab Sample ID: MRL 400-621243/7
Matrix: Water
Analysis Batch: 621243

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	5.07		mg/L		101	50 - 150		

Lab Sample ID: 400-235780-2 MS
Matrix: Water
Analysis Batch: 621243

Client Sample ID: MW-101
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1.4	U	10.0	9.89		mg/L		99	77 - 128		

Lab Sample ID: 400-235780-2 MSD
Matrix: Water
Analysis Batch: 621243

Client Sample ID: MW-101
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	9.73		mg/L		97	77 - 128	2	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119418-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235780 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride							Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N								
MW-100	4-6-23	1128	G	Water NO			X	X	X	X	X	X							3	
MW-101	4-6-23	0830	G	Water NO			X	X	X	X	X	X							3	
MW-107	4-6-23	1540	G	Water NO			X	X	X	X	X	X							3	
MW-108	4-6-23	1659	G	Water NO			X	X	X	X	X	X							3	
MW-306	4-7-23	~~1355~~ 0841 RDH 4-7-23	G	Water NO			X	X	X	X	X	X							3	
MW-307	4-6-23	1904	G	Water NO			X	X	X	X	X	X							3	
DUP-01	4-6-23	1559	G	Water NO			X	X	X	X	X	X							3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II Reports & Associated EDDs

Special Instructions/QC Requirements: ADaPT Forms

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-7-23 1422	RDH ENV.	Deirdeon Hagendorfer	04/7/23 1422	RDH
2	Deirdeon Hagendorfer	4/7/23 1446	RDH	[signature]	4/7/23 14:46	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.2 4.6 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235780-1
SDG Number: Downgradient A

Login Number: 235780
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	3.2°C, 4.6°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-1
SDG: Downgradient A

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	09-01-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient A

JOB NUMBER

400-235780-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

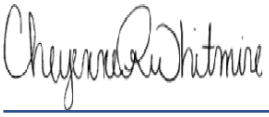
myEOL

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

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

Authorization



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Authorized for release by
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Job ID: 400-235780-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235780-2

Receipt
The samples were received on 4/7/2023 2:46 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2°C and 4.6°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 batch 608150. 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-100 (400-235780-1), MW-101 (400-235780-2), MW-107 (400-235780-3), MW-108 (400-235780-4), MW-306 (400-235780-5), MW-307 (400-235780-6), DUP-01 (400-235780-7), (LCS 160-608150/2-A), (MB 160-608150/1-A), (240-183154-J-7-A), (240-183154-B-7-A MS) and (240-183154-A-7-A MSD)

Method 9320_Ra228: Radium-228 batch 608160. The matrix spike / matrix spike duplicate (MS/MSD) precision was outside control limits due to a slightly lower MSD spike recovery. However the MS/MSD spike recovery was within acceptance limits demonstrating method accuracy. (240-183154-A-7-B MSD)

Method 9320_Ra228: Radium-228 batch 608160. 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-100 (400-235780-1), MW-101 (400-235780-2), MW-107 (400-235780-3), MW-108 (400-235780-4), MW-306 (400-235780-5), MW-307 (400-235780-6), DUP-01 (400-235780-7), (LCS 160-608160/2-A), (MB 160-608160/1-A), (240-183154-J-7-B), (240-183154-B-7-B MS) and (240-183154-A-7-B MSD)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235780-1	MW-100	Water	04/06/23 11:28	04/07/23 14:46
400-235780-2	MW-101	Water	04/06/23 08:30	04/07/23 14:46
400-235780-3	MW-107	Water	04/06/23 15:40	04/07/23 14:46
400-235780-4	MW-108	Water	04/06/23 16:59	04/07/23 14:46
400-235780-5	MW-306	Water	04/07/23 08:41	04/07/23 14:46
400-235780-6	MW-307	Water	04/06/23 19:04	04/07/23 14:46
400-235780-7	DUP-01	Water	04/06/23 15:59	04/07/23 14:46

Client Sample ID: MW-100

Date Collected: 04/06/23 11:28
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.600**		0.335	0.339	1.00	0.459	pCi/L	04/19/23 13:18	05/11/23 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.342	U F	0.343	0.344	1.00	0.551	pCi/L	04/19/23 14:02	05/11/23 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*
Y Carrier	*84.5*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.942**		0.479	0.483	5.00	0.551	pCi/L		05/12/23 11:39	1

Client Sample ID: MW-101

Date Collected: 04/06/23 08:30
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.323	U	0.269	0.270	1.00	0.407	pCi/L	04/19/23 13:18	05/11/23 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.431	U F	0.295	0.298	1.00	0.437	pCi/L	04/19/23 14:02	05/11/23 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*
Y Carrier	*87.9*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.754**		0.399	0.402	5.00	0.437	pCi/L		05/12/23 11:39	1

Client Sample ID: MW-107

Date Collected: 04/06/23 15:40
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352	U	0.286	0.288	1.00	0.431	pCi/L	04/19/23 13:18	05/11/23 19:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.618	U F	0.421	0.425	1.00	0.633	pCi/L	04/19/23 14:02	05/11/23 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*
Y Carrier	*85.2*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.970**		0.509	0.513	5.00	0.633	pCi/L		05/12/23 11:39	1

Client Sample ID: MW-108

Date Collected: 04/06/23 16:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.555		0.276	0.281	1.00	0.347	pCi/L	04/19/23 13:18	05/11/23 19:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.02	F	0.469	0.504	1.00	0.467	pCi/L	04/19/23 14:02	05/11/23 13:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*
Y Carrier	*89.7*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.58		0.544	0.577	5.00	0.467	pCi/L		05/12/23 11:39	1

Client Sample ID: MW-306
Date Collected: 04/07/23 08:41
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-5
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.415		0.252	0.255	1.00	0.335	pCi/L	04/19/23 13:18	05/11/23 19:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.845	F	0.373	0.381	1.00	0.485	pCi/L	04/19/23 14:02	05/11/23 13:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*
Y Carrier	*87.5*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.26		0.450	0.458	5.00	0.485	pCi/L		05/12/23 11:39	1

Client Sample ID: MW-307

Date Collected: 04/06/23 19:04
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.206	U	0.231	0.232	1.00	0.373	pCi/L	04/19/23 13:18	05/11/23 19:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.08**	**F**	0.422	0.433	1.00	0.522	pCi/L	04/19/23 14:02	05/11/23 13:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*
Y Carrier	*92.3*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.28**		0.481	0.491	5.00	0.522	pCi/L		05/12/23 11:39	1

Client Sample ID: DUP-01

Date Collected: 04/06/23 15:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.357		0.235	0.237	1.00	0.324	pCi/L	04/19/23 13:18	05/11/23 19:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.84	F	0.463	0.493	1.00	0.485	pCi/L	04/19/23 14:02	05/11/23 13:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*
Y Carrier	*88.6*		*30 - 110*	*04/19/23 14:02*	*05/11/23 13:10*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.20		0.519	0.547	5.00	0.485	pCi/L		05/12/23 11:39	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Qualifiers

Rad

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Client Sample ID: MW-100
Date Collected: 04/06/23 11:28
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611049	FLC	EET SL	05/11/23 19:41
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:09
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Client Sample ID: MW-101
Date Collected: 04/06/23 08:30
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611049	FLC	EET SL	05/11/23 19:41
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:09
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Client Sample ID: MW-107
Date Collected: 04/06/23 15:40
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611047	FLC	EET SL	05/11/23 19:44
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:09
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Client Sample ID: MW-108
Date Collected: 04/06/23 16:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611047	FLC	EET SL	05/11/23 19:44
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:10
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Client Sample ID: MW-306

Date Collected: 04/07/23 08:41
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611047	FLC	EET SL	05/11/23 19:44
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:10
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Client Sample ID: MW-307

Date Collected: 04/06/23 19:04
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611047	FLC	EET SL	05/11/23 19:44
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:10
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Client Sample ID: DUP-01

Date Collected: 04/06/23 15:59
Date Received: 04/07/23 14:46

Lab Sample ID: 400-235780-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608150	KAC	EET SL	04/19/23 13:18
Total/NA	Analysis	9315		1	611047	FLC	EET SL	05/11/23 19:44
Total/NA	Prep	PrecSep_0			608160	KAC	EET SL	04/19/23 14:02
Total/NA	Analysis	9320		1	611117	FLC	EET SL	05/11/23 13:10
Total/NA	Analysis	Ra226_Ra228		1	611295	SCB	EET SL	05/12/23 11:39

Laboratory References:

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Rad

Prep Batch: 608150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	PrecSep-21	
400-235780-2	MW-101	Total/NA	Water	PrecSep-21	
400-235780-3	MW-107	Total/NA	Water	PrecSep-21	
400-235780-4	MW-108	Total/NA	Water	PrecSep-21	
400-235780-5	MW-306	Total/NA	Water	PrecSep-21	
400-235780-6	MW-307	Total/NA	Water	PrecSep-21	
400-235780-7	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-608150/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-608150/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-183154-A-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	
240-183154-B-7-A MS	Matrix Spike	Total/NA	Water	PrecSep-21	

Prep Batch: 608160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235780-1	MW-100	Total/NA	Water	PrecSep_0	
400-235780-2	MW-101	Total/NA	Water	PrecSep_0	
400-235780-3	MW-107	Total/NA	Water	PrecSep_0	
400-235780-4	MW-108	Total/NA	Water	PrecSep_0	
400-235780-5	MW-306	Total/NA	Water	PrecSep_0	
400-235780-6	MW-307	Total/NA	Water	PrecSep_0	
400-235780-7	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-608160/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-608160/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-183154-A-7-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	
240-183154-B-7-B MS	Matrix Spike	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-608150/1-A
Matrix: Water
Analysis Batch: 611049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608150

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1271	U	0.180	0.181	1.00	0.306	pCi/L	04/19/23 13:18	05/11/23 19:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.1*		*30 - 110*	*04/19/23 13:18*	*05/11/23 19:40*	*1*

Lab Sample ID: LCS 160-608150/2-A
Matrix: Water
Analysis Batch: 611049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608150

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.45		1.32	1.00	0.298	pCi/L	92	75 - 113		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*30 - 110*

Lab Sample ID: 240-183154-A-7-A MSD
Matrix: Water
Analysis Batch: 611049

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 608150

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.151	U	11.7	10.28		1.35	1.00	0.377	pCi/L	87	60 - 140	0.04	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*92.4*		*30 - 110*

Lab Sample ID: 240-183154-B-7-A MS
Matrix: Water
Analysis Batch: 611049

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 608150

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.151	U	11.3	10.40		1.38	1.00	0.396	pCi/L	90	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*84.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-608160/1-A
Matrix: Water
Analysis Batch: 611047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608160

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1838	U	0.308	0.308	1.00	0.525	pCi/L	04/19/23 14:02	05/11/23 13:02	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		30 - 110	04/19/23 14:02	05/11/23 13:02	1
Y Carrier	86.0		30 - 110	04/19/23 14:02	05/11/23 13:02	1

Lab Sample ID: LCS 160-608160/2-A
Matrix: Water
Analysis Batch: 611047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608160

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.96	7.915		1.06	1.00	0.437	pCi/L	99	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	102		30 - 110
Y Carrier	93.1		30 - 110

Lab Sample ID: 240-183154-A-7-B MSD
Matrix: Water
Analysis Batch: 611047

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 608160

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.0256	U F	8.22	5.307	F	0.873	1.00	0.480	pCi/L	64	60 - 140	1.47	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	92.4		30 - 110
Y Carrier	83.7		30 - 110

Lab Sample ID: 240-183154-B-7-B MS
Matrix: Water
Analysis Batch: 611047

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 608160

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.0256	U F	7.96	8.320		1.17	1.00	0.542	pCi/L	104	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	91.2		30 - 110

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119418-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235780 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride							Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N								
MW-100	4-6-23	1128	G	Water	NO		X	X	X	X	X	X							3	
MW-101	4-6-23	0830	G	Water	NO		X	X	X	X	X	X							3	
MW-107	4-6-23	1540	G	Water	NO		X	X	X	X	X	X							3	
MW-108	4-6-23	1659	G	Water	NO		X	X	X	X	X	X							3	
MW-306	4-7-23	~~0841~~ 1355 RDH 4-7-23	G	Water	NO		X	X	X	X	X	X							3	
MW-307	4-6-23	1904	G	Water	NO		X	X	X	X	X	X							3	
DUP-01	4-6-23	1559	G	Water	NO		X	X	X	X	X	X							3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II Reports & Associated EDDs

Special Instructions/QC Requirements: ADaPT Forms

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-7-23 1422	RDH ENV.	Deirdeon Hagendorfer	04/7/23 1422	RDH
2	Deirdeon Hagendorfer	4/7/23 1446	RDH	[signature]	4/7/23 14:46	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.2 4.6 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235780-2
SDG Number: Downgradient A

Login Number: 235780
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	3.2°C, 4.6°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235780-2
SDG Number: Downgradient A

Login Number: 235780
List Number: 2
Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis
List Creation: 04/11/23 02:19 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.	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	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235780-2
SDG: Downgradient A

Laboratory: Eurofins St. Louis

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

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

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Upgradient E

JOB NUMBER

400-235964-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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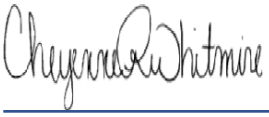
Authorization



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Revision 1

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Case Narrative

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Job ID: 400-235964-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235964-1

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0°C, 1.2°C, 1.6°C, 3.2°C and 4.8°C

Metals
Method 6020: The ICV for batch 400-621410 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

Method 6020: The matrix spike (MS) recoveries for preparation batch 400-621199 and analytical batch 400-621410 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020: The continuing calibration verification (CCV) associated with batch 400-621410 recovered above the upper control limit for Boron. The samples associated with this CCV were under the reporting limit for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (MB 400-621199/1-A ^5).

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-202 (400-235964-1), MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4) and DUP-04 (400-235964-5). Elevated reporting limits (RLs) are provided.

Method 7470A: The CCB for preparation batch 400-621134 and 400-621295 and analytical batch 400-621343contained Mercury above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and re-analysis of samples was not performed.

General Chemistry
Method SM4500_SO4_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-622111 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM4500_SO4_E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4), DUP-04 (400-235964-5), (400-235852-B-4), (400-235852-B-4 MS) and (400-235852-B-4 MSD). Elevated reporting limits (RLs) are provided.

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

Comments
A malfunctioning valve on the sample dilution apparatus allowed acid to leach small amounts of chromium from the metal parts and contaminate the samples from that short time period. This was an anomalous event as the lab has not previously ever encountered this issue. The contamination ceased once the valve was replaced and staff have been advised on how to monitor or look for this issue going forward. Chromium has been re-digested, re-analyzed, and re-reported for the affected jobs/samples.

Revision
The report being provided is a revision of the original report sent on 5/7/2023. The report (revision 1) is being revised due to: Chromium data had to be rerun and reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-202 — Lab Sample ID: 400-235964-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.022		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.12	V	0.10	0.0024	mg/L	10		6020	Total Recoverable
Calcium	7.1		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00089	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	74		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	13		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	15		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	5.29				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-203 — Lab Sample ID: 400-235964-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.015		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.50		0.10	0.0024	mg/L	10		6020	Total Recoverable
Calcium	33		0.25	0.13	mg/L	5		6020	Total Recoverable
Selenium	0.00099	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	210		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	11		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	58		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.66				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-204 — Lab Sample ID: 400-235964-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0039		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.026		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	5.5		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	60		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0086		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.0015		0.0013	0.00081	mg/L	5		6020	Total Recoverable
Lithium	0.0053		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Selenium	0.0056		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	600		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	70		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.17		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	270		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	4.31				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-205 — Lab Sample ID: 400-235964-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0019		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.040		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	3.9		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	53		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0030		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.00091	I	0.0013	0.00081	mg/L	5		6020	Total Recoverable
Selenium	0.0038		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	440		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	63		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	180		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.89				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 400-235964-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0039		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.026		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	5.6		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	62		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0085		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.0015		0.0013	0.00081	mg/L	5		6020	Total Recoverable
Selenium	0.0078		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	500		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	71		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.17		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	270		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	4.31				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-02 — Lab Sample ID: 400-235964-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.021	I V	0.050	0.0012	mg/L	5		6020	Total Recoverable
Sulfate	1.8	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: FB-02 — Lab Sample ID: 400-235964-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.0013		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Chloride	6.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	1.5	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235964-1	MW-202	Water	04/11/23 09:31	04/12/23 16:53
400-235964-2	MW-203	Water	04/11/23 11:21	04/12/23 16:53
400-235964-3	MW-204	Water	04/11/23 14:56	04/12/23 16:53
400-235964-4	MW-205	Water	04/11/23 16:42	04/12/23 16:53
400-235964-5	DUP-04	Water	04/11/23 13:56	04/12/23 16:53
400-235964-6	EB-02	Water	04/11/23 10:17	04/12/23 16:53
400-235964-7	FB-02	Water	04/11/23 10:10	04/12/23 16:53

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 04/11/23 09:31
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:22	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:22	5
Barium	**0.022**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:22	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:22	5
Boron	**0.12**	**V**	0.10	0.0024	mg/L		04/17/23 14:20	04/19/23 17:25	10
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:22	5
Calcium	**7.1**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:22	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 16:37	5
Cobalt	**0.00089**	**I**	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:22	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:22	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:22	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:22	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:22	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:22	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**74**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**13**		2.0	1.4	mg/L			04/22/23 19:49	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:51	1
Sulfate (SM 4500 SO4 E)	**15**		5.0	1.4	mg/L			04/24/23 18:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.29**				SU			04/11/23 09:31	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-203

Date Collected: 04/11/23 11:21
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:25	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:25	5
Barium	**0.015**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:25	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:25	5
Boron	**0.50**		0.10	0.0024	mg/L		04/17/23 14:20	04/19/23 17:28	10
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:25	5
Calcium	**33**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:25	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:15	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:25	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:25	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:25	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:25	5
Selenium	**0.00099**	**I**	0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:25	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:25	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**210**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**11**		2.0	1.4	mg/L			04/22/23 19:49	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:55	1
Sulfate (SM 4500 SO4 E)	**58**		25	7.0	mg/L			04/24/23 19:05	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.66**				SU			04/11/23 11:21	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-204

Date Collected: 04/11/23 14:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:29	5
Arsenic	**0.0039**		0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:29	5
Barium	**0.026**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:29	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:29	5
Boron	**5.5**		1.0	0.024	mg/L		04/17/23 14:20	04/19/23 17:32	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:29	5
Calcium	**60**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:29	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:18	5
Cobalt	**0.0086**		0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:29	5
Lead	**0.0015**		0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:29	5
Lithium	**0.0053**		0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:29	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:29	5
Selenium	**0.0056**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:29	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:29	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**70**		2.0	1.4	mg/L			04/22/23 19:49	1
Fluoride (SM 4500 F C)	**0.17**		0.10	0.070	mg/L			04/18/23 13:59	1
Sulfate (SM 4500 SO4 E)	**270**		130	35	mg/L			04/24/23 19:15	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.31**				SU			04/11/23 14:56	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-205

Date Collected: 04/11/23 16:42
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:32	5
Arsenic	**0.0019**		0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:32	5
Barium	**0.040**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:32	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:32	5
Boron	**3.9**		1.0	0.024	mg/L		04/17/23 14:20	04/19/23 17:35	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:32	5
Calcium	**53**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:32	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:21	5
Cobalt	**0.0030**		0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:32	5
Lead	**0.00091**	**I**	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:32	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:32	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:32	5
Selenium	**0.0038**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:32	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:32	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**440**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**63**		2.0	1.4	mg/L			04/22/23 19:50	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 14:02	1
Sulfate (SM 4500 SO4 E)	**180**		25	7.0	mg/L			04/24/23 19:06	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.89**				SU			04/11/23 16:42	1

Client Sample ID: DUP-04

Date Collected: 04/11/23 13:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:36	5
Arsenic	**0.0039**		0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:36	5
Barium	**0.026**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:36	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:36	5
Boron	**5.6**		1.0	0.024	mg/L		04/17/23 14:20	04/19/23 17:38	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:36	5
Calcium	**62**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:36	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:24	5
Cobalt	**0.0085**		0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:36	5
Lead	**0.0015**		0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:36	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:36	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:36	5
Selenium	**0.0078**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:36	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:36	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**500**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**71**		2.0	1.4	mg/L			04/22/23 19:50	1
Fluoride (SM 4500 F C)	**0.17**		0.10	0.070	mg/L			04/18/23 14:06	1
Sulfate (SM 4500 SO4 E)	**270**		130	35	mg/L			04/24/23 19:15	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.31**				SU			04/11/23 13:56	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: EB-02

Date Collected: 04/11/23 10:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:39	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:39	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:39	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:39	5
Boron	**0.021**	**I V**	0.050	0.0012	mg/L		04/17/23 14:20	04/19/23 17:42	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:39	5
Calcium	0.13	U	0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:39	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:27	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:39	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:39	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:39	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:39	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:39	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:39	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			04/22/23 19:51	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 14:09	1
Sulfate (SM 4500 SO4 E)	**1.8**	**I**	5.0	1.4	mg/L			04/24/23 18:52	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: FB-02

Date Collected: 04/11/23 10:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 20:06	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 20:06	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 20:06	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 20:06	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/17/23 14:20	04/19/23 18:09	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 20:06	5
Calcium	0.13	U	0.25	0.13	mg/L		04/17/23 14:20	04/18/23 20:06	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:30	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 20:06	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 20:06	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 20:06	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 20:06	5
Selenium	**0.0013**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 20:06	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 20:06	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**6.4**		2.0	1.4	mg/L			04/22/23 19:51	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/21/23 10:21	1
Sulfate (SM 4500 SO4 E)	**1.5**	**I**	5.0	1.4	mg/L			04/24/23 18:52	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-202
Date Collected: 04/11/23 09:31
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:22
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		10	621612	NTH	EET PEN	04/19/23 17:25
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 16:37
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:20
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:49
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:51
Total/NA	Analysis	SM 4500 SO4 E		1	622111	CJK	EET PEN	04/24/23 18:49
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 09:31

Client Sample ID: MW-203
Date Collected: 04/11/23 11:21
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:25
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		10	621612	NTH	EET PEN	04/19/23 17:28
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:15
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:21
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:49
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:55
Total/NA	Analysis	SM 4500 SO4 E		5	622111	CJK	EET PEN	04/24/23 19:05
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 11:21

Client Sample ID: MW-204
Date Collected: 04/11/23 14:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:29
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		100	621612	NTH	EET PEN	04/19/23 17:32
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:18

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: MW-204

Date Collected: 04/11/23 14:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:22
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:49
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:59
Total/NA	Analysis	SM 4500 SO4 E		25	622111	CJK	EET PEN	04/24/23 19:15
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 14:56

Client Sample ID: MW-205

Date Collected: 04/11/23 16:42
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:32
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		100	621612	NTH	EET PEN	04/19/23 17:35
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:21
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:24
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:50
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 14:02
Total/NA	Analysis	SM 4500 SO4 E		5	622111	CJK	EET PEN	04/24/23 19:06
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 16:42

Client Sample ID: DUP-04

Date Collected: 04/11/23 13:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:36
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		100	621612	NTH	EET PEN	04/19/23 17:38
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:24
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:25
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:50
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 14:06

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Client Sample ID: DUP-04
Date Collected: 04/11/23 13:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		25	622111	CJK	EET PEN	04/24/23 19:15
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 13:56

Client Sample ID: EB-02
Date Collected: 04/11/23 10:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:39
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621612	NTH	EET PEN	04/19/23 17:42
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:27
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:26
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:51
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 14:09
Total/NA	Analysis	SM 4500 SO4 E		1	622111	CJK	EET PEN	04/24/23 18:52

Client Sample ID: FB-02
Date Collected: 04/11/23 10:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 20:06
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621612	NTH	EET PEN	04/19/23 18:09
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:30
Total/NA	Prep	7470A			621450	NET	EET PEN	04/19/23 09:35 - 04/19/23 14:07 [1]
Total/NA	Analysis	7470A		1	621839	NET	EET PEN	04/21/23 10:46
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:51
Total/NA	Analysis	SM 4500 F C		1	621766	JP	EET PEN	04/21/23 10:21
Total/NA	Analysis	SM 4500 SO4 E		1	622111	CJK	EET PEN	04/24/23 18:52

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 621199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total Recoverable	Water	3005A	
400-235964-2	MW-203	Total Recoverable	Water	3005A	
400-235964-3	MW-204	Total Recoverable	Water	3005A	
400-235964-4	MW-205	Total Recoverable	Water	3005A	
400-235964-5	DUP-04	Total Recoverable	Water	3005A	
400-235964-6	EB-02	Total Recoverable	Water	3005A	
400-235964-7	FB-02	Total Recoverable	Water	3005A	
MB 400-621199/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-236047-H-3-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-236047-H-3-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 621295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	7470A	
400-235964-2	MW-203	Total/NA	Water	7470A	
400-235964-3	MW-204	Total/NA	Water	7470A	
400-235964-4	MW-205	Total/NA	Water	7470A	
400-235964-5	DUP-04	Total/NA	Water	7470A	
400-235964-6	EB-02	Total/NA	Water	7470A	
MB 400-621295/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-621295/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-236200-A-2-B MS	Matrix Spike	Total/NA	Water	7470A	
400-236200-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 621343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	7470A	621295
400-235964-2	MW-203	Total/NA	Water	7470A	621295
400-235964-3	MW-204	Total/NA	Water	7470A	621295
400-235964-4	MW-205	Total/NA	Water	7470A	621295
400-235964-5	DUP-04	Total/NA	Water	7470A	621295
400-235964-6	EB-02	Total/NA	Water	7470A	621295
MB 400-621295/14-A	Method Blank	Total/NA	Water	7470A	621295
LCS 400-621295/15-A	Lab Control Sample	Total/NA	Water	7470A	621295
400-236200-A-2-B MS	Matrix Spike	Total/NA	Water	7470A	621295
400-236200-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	621295

Analysis Batch: 621410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total Recoverable	Water	6020	621199
400-235964-2	MW-203	Total Recoverable	Water	6020	621199
400-235964-3	MW-204	Total Recoverable	Water	6020	621199
400-235964-4	MW-205	Total Recoverable	Water	6020	621199
400-235964-5	DUP-04	Total Recoverable	Water	6020	621199
400-235964-6	EB-02	Total Recoverable	Water	6020	621199
400-235964-7	FB-02	Total Recoverable	Water	6020	621199
MB 400-621199/1-A ^5	Method Blank	Total Recoverable	Water	6020	621199
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	621199
400-236047-H-3-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	621199
400-236047-H-3-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	621199

Metals

Prep Batch: 621450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-7	FB-02	Total/NA	Water	7470A	
MB 400-621450/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-621450/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-236163-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-236163-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 621612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total Recoverable	Water	6020	621199
400-235964-2	MW-203	Total Recoverable	Water	6020	621199
400-235964-3	MW-204	Total Recoverable	Water	6020	621199
400-235964-4	MW-205	Total Recoverable	Water	6020	621199
400-235964-5	DUP-04	Total Recoverable	Water	6020	621199
400-235964-6	EB-02	Total Recoverable	Water	6020	621199
400-235964-7	FB-02	Total Recoverable	Water	6020	621199
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	621199

Analysis Batch: 621839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-7	FB-02	Total/NA	Water	7470A	621450
MB 400-621450/14-A	Method Blank	Total/NA	Water	7470A	621450
LCS 400-621450/15-A	Lab Control Sample	Total/NA	Water	7470A	621450
400-236163-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	621450
400-236163-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	621450

Prep Batch: 631927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total Recoverable	Water	3005A	
400-235964-2	MW-203	Total Recoverable	Water	3005A	
400-235964-3	MW-204	Total Recoverable	Water	3005A	
400-235964-4	MW-205	Total Recoverable	Water	3005A	
400-235964-5	DUP-04	Total Recoverable	Water	3005A	
400-235964-6	EB-02	Total Recoverable	Water	3005A	
400-235964-7	FB-02	Total Recoverable	Water	3005A	
MB 400-631927/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-631927/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235964-1 MS	MW-202	Total Recoverable	Water	3005A	
400-235964-1 MSD	MW-202	Total Recoverable	Water	3005A	

Analysis Batch: 632097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total Recoverable	Water	6020	631927
400-235964-2	MW-203	Total Recoverable	Water	6020	631927
400-235964-3	MW-204	Total Recoverable	Water	6020	631927
400-235964-4	MW-205	Total Recoverable	Water	6020	631927
400-235964-5	DUP-04	Total Recoverable	Water	6020	631927
400-235964-6	EB-02	Total Recoverable	Water	6020	631927
400-235964-7	FB-02	Total Recoverable	Water	6020	631927
MB 400-631927/1-A ^5	Method Blank	Total Recoverable	Water	6020	631927
LCS 400-631927/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	631927
400-235964-1 MS	MW-202	Total Recoverable	Water	6020	631927

Metals (Continued)

Analysis Batch: 632097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1 MSD	MW-202	Total Recoverable	Water	6020	631927

General Chemistry

Analysis Batch: 620910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	SM 2540C	
400-235964-2	MW-203	Total/NA	Water	SM 2540C	
400-235964-3	MW-204	Total/NA	Water	SM 2540C	
400-235964-4	MW-205	Total/NA	Water	SM 2540C	
400-235964-5	DUP-04	Total/NA	Water	SM 2540C	
400-235964-6	EB-02	Total/NA	Water	SM 2540C	
400-235964-7	FB-02	Total/NA	Water	SM 2540C	
MB 400-620910/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620910/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235964-1 DU	MW-202	Total/NA	Water	SM 2540C	

Analysis Batch: 621299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	SM 4500 F C	
400-235964-2	MW-203	Total/NA	Water	SM 4500 F C	
400-235964-3	MW-204	Total/NA	Water	SM 4500 F C	
400-235964-4	MW-205	Total/NA	Water	SM 4500 F C	
400-235964-5	DUP-04	Total/NA	Water	SM 4500 F C	
400-235964-6	EB-02	Total/NA	Water	SM 4500 F C	
MB 400-621299/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621299/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621299/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-235780-B-7 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-235780-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-235962-B-10 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 621766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-7	FB-02	Total/NA	Water	SM 4500 F C	
MB 400-621766/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621766/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621766/9	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-236331-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-236331-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-236331-A-11 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 621921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	SM 4500 Cl- E	
400-235964-2	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-235964-3	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-235964-4	MW-205	Total/NA	Water	SM 4500 Cl- E	
400-235964-5	DUP-04	Total/NA	Water	SM 4500 Cl- E	
400-235964-6	EB-02	Total/NA	Water	SM 4500 Cl- E	
400-235964-7	FB-02	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 621921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-621921/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-621921/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-621921/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-621921/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-235962-B-11 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-235962-B-11 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 622111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-235964-2	MW-203	Total/NA	Water	SM 4500 SO4 E	
400-235964-3	MW-204	Total/NA	Water	SM 4500 SO4 E	
400-235964-4	MW-205	Total/NA	Water	SM 4500 SO4 E	
400-235964-5	DUP-04	Total/NA	Water	SM 4500 SO4 E	
400-235964-6	EB-02	Total/NA	Water	SM 4500 SO4 E	
400-235964-7	FB-02	Total/NA	Water	SM 4500 SO4 E	
MB 400-622111/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-622111/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-622111/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235929-E-2 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-235929-E-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 622645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	Field Sampling	
400-235964-2	MW-203	Total/NA	Water	Field Sampling	
400-235964-3	MW-204	Total/NA	Water	Field Sampling	
400-235964-4	MW-205	Total/NA	Water	Field Sampling	
400-235964-5	DUP-04	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-621199/1-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 18:11	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 18:11	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 18:11	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 18:11	5
Boron	0.0131	I	0.050	0.0012	mg/L		04/17/23 14:20	04/18/23 18:11	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 18:11	5
Calcium	0.13	U	0.25	0.13	mg/L		04/17/23 14:20	04/18/23 18:11	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 18:11	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 18:11	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 18:11	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 18:11	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 18:11	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 18:11	5

Lab Sample ID: LCS 400-621199/2-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0533		mg/L		107	80 - 120
Arsenic	0.0500	0.0524		mg/L		105	80 - 120
Barium	0.0500	0.0531		mg/L		106	80 - 120
Beryllium	0.0500	0.0501		mg/L		100	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	5.00	5.26		mg/L		105	80 - 120
Cobalt	0.0500	0.0517		mg/L		103	80 - 120
Lead	0.0500	0.0496		mg/L		99	80 - 120
Lithium	0.0500	0.0477		mg/L		95	80 - 120
Molybdenum	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0500		mg/L		100	80 - 120
Thallium	0.0100	0.00993		mg/L		99	80 - 120

Lab Sample ID: LCS 400-621199/2-A ^5
Matrix: Water
Analysis Batch: 621612

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: 400-236047-H-3-E MS ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0536		mg/L		107	75 - 125
Arsenic	0.0019		0.0500	0.0521		mg/L		100	75 - 125
Barium	0.15		0.0500	0.201		mg/L		104	75 - 125
Beryllium	0.00092	U	0.0500	0.0510		mg/L		102	75 - 125
Boron	0.077	V	0.100	0.205	J3	mg/L		128	75 - 125

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

Lab Sample ID: 400-236047-H-3-E MS ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.00065	U	0.0500	0.0502		mg/L		100	75 - 125
Calcium	110	L	5.00	116	L	mg/L		112	75 - 125
Cobalt	0.00056	U	0.0500	0.0512		mg/L		102	75 - 125
Lead	0.00081	U	0.0500	0.0507		mg/L		101	75 - 125
Lithium	0.0049	U	0.0500	0.0548		mg/L		110	75 - 125
Molybdenum	0.0013	U	0.0500	0.0524		mg/L		105	75 - 125
Selenium	0.00082	U	0.0500	0.0530		mg/L		106	75 - 125
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125

Lab Sample ID: 400-236047-H-3-F MSD ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0521		mg/L		104	75 - 125	3	20
Arsenic	0.0019		0.0500	0.0513		mg/L		99	75 - 125	2	20
Barium	0.15		0.0500	0.197		mg/L		96	75 - 125	2	20
Beryllium	0.00092	U	0.0500	0.0507		mg/L		101	75 - 125	1	20
Boron	0.077	V	0.100	0.193		mg/L		116	75 - 125	6	20
Cadmium	0.00065	U	0.0500	0.0502		mg/L		100	75 - 125	0	20
Calcium	110	L	5.00	115	L	mg/L		93	75 - 125	1	20
Cobalt	0.00056	U	0.0500	0.0486		mg/L		97	75 - 125	5	20
Lead	0.00081	U	0.0500	0.0504		mg/L		101	75 - 125	1	20
Lithium	0.0049	U	0.0500	0.0538		mg/L		108	75 - 125	2	20
Molybdenum	0.0013	U	0.0500	0.0526		mg/L		105	75 - 125	0	20
Selenium	0.00082	U	0.0500	0.0539		mg/L		108	75 - 125	2	20
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	0	20

Lab Sample ID: MB 400-631927/1-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 16:31	5

Lab Sample ID: LCS 400-631927/2-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0500	0.0523		mg/L		105	80 - 120

Lab Sample ID: 400-235964-1 MS
Matrix: Water
Analysis Batch: 632097

Client Sample ID: MW-202
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0010	U	0.0500	0.0529		mg/L		106	75 - 125

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

Lab Sample ID: 400-235964-1 MSD
Matrix: Water
Analysis Batch: 632097

Client Sample ID: MW-202
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.0010	U	0.0500	0.0529		mg/L		106	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-621295/14-A
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621295

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 13:53	1

Lab Sample ID: LCS 400-621295/15-A
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00100		mg/L		99	80 - 120

Lab Sample ID: 400-236200-A-2-B MS
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00196		mg/L		97	80 - 120

Lab Sample ID: 400-236200-A-2-C MSD
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00187		mg/L		93	80 - 120	5	20

Lab Sample ID: MB 400-621450/14-A
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621450

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:28	1

Lab Sample ID: LCS 400-621450/15-A
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000920		mg/L		91	80 - 120

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

Lab Sample ID: 400-236163-B-1-B MS
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00183		mg/L		91	80 - 120

Lab Sample ID: 400-236163-B-1-C MSD
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00175		mg/L		87	80 - 120	4	20

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

Lab Sample ID: MB 400-620910/1
Matrix: Water
Analysis Batch: 620910

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1

Lab Sample ID: LCS 400-620910/2
Matrix: Water
Analysis Batch: 620910

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	293	244		mg/L		83	78 - 122

Lab Sample ID: 400-235964-1 DU
Matrix: Water
Analysis Batch: 620910

Client Sample ID: MW-202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	74		70.0	J3	mg/L		6	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-621921/13
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:23	1

Lab Sample ID: MB 400-621921/44
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:39	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 400-621921/45
Matrix: Water
Analysis Batch: 621921

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	45.6		mg/L		91	90 - 110

Lab Sample ID: MRL 400-621921/15
Matrix: Water
Analysis Batch: 621921

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.36	I	mg/L		68	50 - 150

Lab Sample ID: 400-235962-B-11 MS
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	U	10.0	9.66		mg/L		97	73 - 120

Lab Sample ID: 400-235962-B-11 MSD
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	U	10.0	9.05		mg/L		91	73 - 120	6	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-621299/10
Matrix: Water
Analysis Batch: 621299

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/18/23 12:52	1

Lab Sample ID: LCS 400-621299/12
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.05		mg/L		101	90 - 110

Lab Sample ID: MRL 400-621299/11
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0949	I	mg/L		95	

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-235780-B-7 MS
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.070	U	0.100	0.103		mg/L		103	75 - 125		

Lab Sample ID: 400-235780-B-7 MSD
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.107		mg/L		107	75 - 125	4	4

Lab Sample ID: 400-235962-B-10 DU
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.070	U		0.070	U	mg/L				NC	4

Lab Sample ID: MB 400-621766/10
Matrix: Water
Analysis Batch: 621766

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/21/23 10:21	1

Lab Sample ID: LCS 400-621766/12
Matrix: Water
Analysis Batch: 621766

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			5.00	5.12		mg/L		102	90 - 110		

Lab Sample ID: 400-236331-A-3 MS
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.10		0.100	0.190		mg/L		90	75 - 125		

Lab Sample ID: 400-236331-A-3 MSD
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.10		0.100	0.190		mg/L		90	75 - 125	0	4

Lab Sample ID: 400-236331-A-11 DU
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.082	I		0.0851	I	mg/L				4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-622111/12
Matrix: Water
Analysis Batch: 622111

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			04/24/23 18:38	1

Lab Sample ID: LCS 400-622111/13
Matrix: Water
Analysis Batch: 622111

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	15.1		mg/L		101	90 - 110		

Lab Sample ID: MRL 400-622111/14
Matrix: Water
Analysis Batch: 622111

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	5.42		mg/L		108	50 - 150		

Lab Sample ID: 400-235929-E-2 MS
Matrix: Water
Analysis Batch: 622111

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	4.6	I	10.0	12.6		mg/L		80	77 - 128		

Lab Sample ID: 400-235929-E-2 MSD
Matrix: Water
Analysis Batch: 622111

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	4.6	I	10.0	13.1		mg/L		85	77 - 128	4	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rick Hagendorfer / TODD VORES	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119423-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Upgradient E	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235964 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
Preservation Code:						D	N	N	D	N	N		
MW-202	4-11-23	0931	G	Water	NO	X	X	X	X	X	X	3	
MW-203	4-11-23	1121	G	Water	NO	X	X	X	X	X	X	3	
MW-204	4-11-23	1456	G	Water	NO	X	X	X	X	X	X	3	
MW-205	4-11-23	1642	G	Water	NO	X	X	X	X	X	X	3	
DUP-04	4-11-23	1356	G	Water	NO	X	X		X	X	X	3	
EB-02	4-11-23	1017	G	water	NO	X	X		X	X	X	3	
FB-02	4-11-23	1010	G	water	NO	X	X		X	X	X	3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II Reports and Associated EDDs

Special Instructions/QC Requirements: ADaPT Files Requested

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-12-23 1550	RDH ENV.	Todd Vores	12 APR 23 1550	RDH ENV
Todd Vores	12 APR 23 1653	RDH ENV	M	4-12-23 1653	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 0.0 1.6 4.8 3.2 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235964-1
SDG Number: Upgradient E

Login Number: 235964
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C, 3.2°C, 4.8°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-1
SDG: Upgradient E

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	09-01-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Upgradient E

JOB NUMBER

400-235964-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

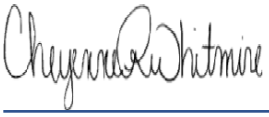
myEOL

Job Notes

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

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

Authorization



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Job ID: 400-235964-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235964-2

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0°C, 1.2°C, 1.6°C, 3.2°C and 4.8°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 Prep Batch 160-608529. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-202 (400-235964-1), MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4), DUP-04 (400-235964-5), EB-02 (400-235964-6) and FB-02 (400-235964-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315_Ra226: Radium-226 batch 608529. 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-202 (400-235964-1), MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4), DUP-04 (400-235964-5), EB-02 (400-235964-6), FB-02 (400-235964-7), (LCS 160-608529/2-A), (LCSD 160-608529/3-A) and (MB 160-608529/1-A)

Method 9320_Ra228: Radium-228 Prep Batch 160-608618. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-202 (400-235964-1), MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4), DUP-04 (400-235964-5), EB-02 (400-235964-6) and FB-02 (400-235964-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320_Ra228: Radium-228 batch 608618. The detection goal was not met for the following sample(s). The samples and batch QC were prepped at full volume. Matrix interferences are suspected because the method blank achieved the detection goal demonstrating acceptable sample preparation and instrument performance: FB-02 (400-235964-7). Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium-228 batch 608618. 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-202 (400-235964-1), MW-203 (400-235964-2), MW-204 (400-235964-3), MW-205 (400-235964-4), DUP-04 (400-235964-5), EB-02 (400-235964-6), FB-02 (400-235964-7), (LCS 160-608618/2-A), (LCSD 160-608618/3-A) and (MB 160-608618/1-A)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235964-1	MW-202	Water	04/11/23 09:31	04/12/23 16:53
400-235964-2	MW-203	Water	04/11/23 11:21	04/12/23 16:53
400-235964-3	MW-204	Water	04/11/23 14:56	04/12/23 16:53
400-235964-4	MW-205	Water	04/11/23 16:42	04/12/23 16:53
400-235964-5	DUP-04	Water	04/11/23 13:56	04/12/23 16:53
400-235964-6	EB-02	Water	04/11/23 10:17	04/12/23 16:53
400-235964-7	FB-02	Water	04/11/23 10:10	04/12/23 16:53

Client Sample ID: MW-202

Date Collected: 04/11/23 09:31
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.565		0.212	0.218	1.00	0.233	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.749		0.396	0.402	1.00	0.571	pCi/L	04/24/23 13:19	05/13/23 23:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*
Y Carrier	*88.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.31		0.449	0.457	5.00	0.571	pCi/L		05/16/23 10:23	1

Client Sample ID: MW-203

Date Collected: 04/11/23 11:21
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.854		0.252	0.263	1.00	0.240	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.28		0.514	0.555	1.00	0.498	pCi/L	04/24/23 13:19	05/13/23 23:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*
Y Carrier	*89.0*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.13		0.572	0.614	5.00	0.498	pCi/L		05/16/23 10:23	1

Client Sample ID: MW-204

Date Collected: 04/11/23 14:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.32		0.285	0.309	1.00	0.197	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.77		0.930	1.29	1.00	0.499	pCi/L	04/24/23 13:19	05/13/23 23:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*
Y Carrier	*87.9*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:55*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	11.1		0.973	1.33	5.00	0.499	pCi/L		05/16/23 10:23	1

Client Sample ID: MW-205

Date Collected: 04/11/23 16:42
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.55		0.285	0.318	1.00	0.166	pCi/L	04/24/23 12:43	05/16/23 07:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:19*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.35		0.468	0.516	1.00	0.431	pCi/L	04/24/23 13:19	05/13/23 23:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.90		0.548	0.606	5.00	0.431	pCi/L		05/16/23 10:23	1

Client Sample ID: DUP-04

Date Collected: 04/11/23 13:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.08		0.231	0.250	1.00	0.147	pCi/L	04/24/23 12:43	05/16/23 07:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:19*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.99		0.799	1.15	1.00	0.434	pCi/L	04/24/23 13:19	05/13/23 23:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*
Y Carrier	*86.4*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	10.1		0.832	1.18	5.00	0.434	pCi/L		05/16/23 10:23	1

Client Sample ID: EB-02

Date Collected: 04/11/23 10:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0182	U	0.0724	0.0724	1.00	0.165	pCi/L	04/24/23 12:43	05/16/23 07:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:19*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.772**		0.306	0.314	1.00	0.380	pCi/L	04/24/23 13:19	05/13/23 23:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*
Y Carrier	*87.1*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.753**		0.314	0.322	5.00	0.380	pCi/L		05/16/23 10:23	1

Client Sample ID: FB-02

Date Collected: 04/11/23 10:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0622	U	0.221	0.221	1.00	0.469	pCi/L	04/24/23 12:43	05/16/23 07:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*41.3*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:19*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.09**	**G**	0.694	0.702	1.00	1.03	pCi/L	04/24/23 13:19	05/13/23 23:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*41.3*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*
Y Carrier	*88.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.03**		0.728	0.736	5.00	1.03	pCi/L		05/16/23 10:23	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

Client Sample ID: MW-202
Date Collected: 04/11/23 09:31
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:55
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: MW-203
Date Collected: 04/11/23 11:21
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:55
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: MW-204
Date Collected: 04/11/23 14:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:55
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: MW-205
Date Collected: 04/11/23 16:42
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235964-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:19
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:56
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

Client Sample ID: DUP-04

Lab Sample ID: 400-235964-5

Date Collected: 04/11/23 13:56

Matrix: Water

Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:19
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:56
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: EB-02

Lab Sample ID: 400-235964-6

Date Collected: 04/11/23 10:17

Matrix: Water

Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:19
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:56
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: FB-02

Lab Sample ID: 400-235964-7

Date Collected: 04/11/23 10:10

Matrix: Water

Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:19
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:56
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Laboratory References:

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

Rad

Prep Batch: 608529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	PrecSep-21	
400-235964-2	MW-203	Total/NA	Water	PrecSep-21	
400-235964-3	MW-204	Total/NA	Water	PrecSep-21	
400-235964-4	MW-205	Total/NA	Water	PrecSep-21	
400-235964-5	DUP-04	Total/NA	Water	PrecSep-21	
400-235964-6	EB-02	Total/NA	Water	PrecSep-21	
400-235964-7	FB-02	Total/NA	Water	PrecSep-21	
MB 160-608529/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-608529/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-608529/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 608618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235964-1	MW-202	Total/NA	Water	PrecSep_0	
400-235964-2	MW-203	Total/NA	Water	PrecSep_0	
400-235964-3	MW-204	Total/NA	Water	PrecSep_0	
400-235964-4	MW-205	Total/NA	Water	PrecSep_0	
400-235964-5	DUP-04	Total/NA	Water	PrecSep_0	
400-235964-6	EB-02	Total/NA	Water	PrecSep_0	
400-235964-7	FB-02	Total/NA	Water	PrecSep_0	
MB 160-608618/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-608618/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-608618/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-608529/1-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608529

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05512	U	0.0938	0.0940	1.00	0.166	pCi/L	04/24/23 12:43	05/16/23 07:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:10*	*1*

Lab Sample ID: LCS 160-608529/2-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608529

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.855		1.14	1.00	0.242	pCi/L	87	75 - 113		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.2*		*30 - 110*

Lab Sample ID: LCSD 160-608529/3-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608529

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	11.46		1.30	1.00	0.209	pCi/L	101	75 - 113	0.65	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-608618/1-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608618

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7596		0.367	0.374	1.00	0.507	pCi/L	04/24/23 13:19	05/13/23 23:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*

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

Lab Sample ID: LCS 160-608618/2-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608618

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.96	9.393		1.24	1.00	0.459	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.2*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

Lab Sample ID: LCSD 160-608618/3-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608618

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.96	9.689		1.29	1.00	0.486	pCi/L	122	75 - 125	0.12	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*
Y Carrier	*88.2*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer / TODD VORES	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119423-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Upgradient E	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235964 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
Preservation Code:						D	N	N	D	N	N		
MW-202	4-11-23	0931	G	Water	NO	X	X	X	X	X	X	3	
MW-203	4-11-23	1121	G	Water	NO	X	X	X	X	X	X	3	
MW-204	4-11-23	1456	G	Water	NO	X	X	X	X	X	X	3	
MW-205	4-11-23	1642	G	Water	NO	X	X	X	X	X	X	3	
DUP-04	4-11-23	1356	G	Water	NO	X	X		X	X	X	3	
EB-02	4-11-23	1017	G	water	NO	X	X		X	X	X	3	
FB-02	4-11-23	1010	G	water	NO	X	X		X	X	X	3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II Reports and Associated EDDs

Special Instructions/QC Requirements: ADaPT Files Requested

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-12-23 1550	RDH GMV.	Todd Vores	12 APR 23 1550	RDH GMV
Todd Vores	12 APR 23 1653	RDH GMV	M	4-12-23 1653	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 0.0 1.6 4.8 3.2 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235964-2
SDG Number: Upgradient E

Login Number: 235964
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C, 3.2°C, 4.8°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235964-2
SDG Number: Upgradient E

Login Number: 235964
List Number: 2
Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis
List Creation: 04/14/23 01:46 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	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235964-2
SDG: Upgradient E

Laboratory: Eurofins St. Louis

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

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

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient D

JOB NUMBER

400-235966-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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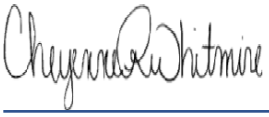
Authorization



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Revision 1

Authorized for release by
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Job ID: 400-235966-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235966-1

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0º C, 1.2º C, 1.6º C, 3.2º C and 4.8º C.

Metals
Method 6020: The ICV for batch 400-621410 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-621199 and analytical batch 400-621410 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020: The method blank for preparation batch 400-621199 and analytical batch 400-621410 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The continuing calibration verification (CCV) associated with batch 400-621410 recovered above the upper control limit for Boron. The samples associated with this CCV were below the reporting limit for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (MB 400-621199/1-A ^5).

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-235966-1), MW-201 (400-235966-2) and MW-206 (400-235966-3). Elevated reporting limits (RLs) are provided.

Method 6020: The serial dilution performed for the following sample associated with batch 400-621410 was outside control limits: (400-236047-H-3-D SD ^25).

General Chemistry
Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-206 (400-235966-3). Elevated reporting limits (RLs) are provided.

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-621921 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-623940 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-235966-1), MW-201 (400-235966-2), (400-235966-B-1 MS) and (400-235966-B-1 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-206 (400-235966-3), (400-237181-D-1), (400-237181-D-1 MS) and (400-237181-D-1 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-625814 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Job ID: 400-235966-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

Method SM 4500 SO4 E: Reanalysis of the following sample was performed outside of the analytical holding time due to rejected initial analysis and subsequent reanalysis: MW-206 (400-235966-3).

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

Comments
A malfunctioning valve on the sample dilution apparatus allowed acid to leach small amounts of chromium from the metal parts and contaminate the samples from that short time period. This was an anomalous event as the lab has not previously ever encountered this issue. The contamination ceased once the valve was replaced and staff have been advised on how to monitor or look for this issue going forward. Chromium has been re-digested, re-analyzed, and re-reported for the affected jobs/samples.

Revision
The report being provided is a revision of the original report sent on 5/25/2023. The report (revision 1) is being revised due to: Chromium data had to be rerun and reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Client Sample ID: MW-200 — Lab Sample ID: 400-235966-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.039		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	2.4		0.50	0.012	mg/L	50		6020	Total Recoverable
Cadmium	0.00090	I	0.0025	0.00065	mg/L	5		6020	Total Recoverable
Calcium	75		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0011	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0052		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Mercury	0.00079		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	490		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	86		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	130		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.86				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-201 — Lab Sample ID: 400-235966-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.041		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	4.4		1.0	0.024	mg/L	100		6020	Total Recoverable
Cadmium	0.0031		0.0025	0.00065	mg/L	5		6020	Total Recoverable
Calcium	78		5.0	2.5	mg/L	100		6020	Total Recoverable
Cobalt	0.00082	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0034		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Mercury	0.00028		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	490		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	96		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.15		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	140		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.94				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-206 — Lab Sample ID: 400-235966-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	12		5.0	0.12	mg/L	500		6020	Total Recoverable
Calcium	160		25	13	mg/L	500		6020	Total Recoverable
Cobalt	0.0013	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0051		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	890		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	250		8.0	5.6	mg/L	4		SM 4500 Cl- E	Total/NA
Sulfate	12	I V Q	25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: MW-206 (Continued)

Lab Sample ID: 400-235966-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	5.26				SU	1		Field Sampling	Total/NA

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235966-1	MW-200	Water	04/11/23 18:36	04/12/23 16:53
400-235966-2	MW-201	Water	04/11/23 14:10	04/12/23 16:53
400-235966-3	MW-206	Water	04/11/23 15:41	04/12/23 16:53

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Client Sample ID: MW-200

Date Collected: 04/11/23 18:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:12	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:12	5
Barium	**0.039**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:12	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:12	5
Boron	**2.4**		0.50	0.012	mg/L		04/17/23 14:20	04/19/23 17:15	50
Cadmium	**0.00090**	**I**	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:12	5
Calcium	**75**		0.25	0.13	mg/L		04/17/23 14:20	04/18/23 19:12	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:33	5
Cobalt	**0.0011**	**I**	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:12	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:12	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:12	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:12	5
Selenium	**0.0052**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:12	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:12	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00079**		0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**490**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**86**		2.0	1.4	mg/L			04/22/23 19:34	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/21/23 10:21	1
Sulfate (SM 4500 SO4 E)	**130**		25	7.0	mg/L			05/08/23 12:39	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.86**				SU			04/11/23 18:36	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Client Sample ID: MW-201

Date Collected: 04/11/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:15	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:15	5
Barium	**0.041**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:15	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:15	5
Boron	**4.4**		1.0	0.024	mg/L		04/17/23 14:20	04/19/23 17:18	100
Cadmium	**0.0031**		0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:15	5
Calcium	**78**		5.0	2.5	mg/L		04/17/23 14:20	04/19/23 17:18	100
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 17:58	5
Cobalt	**0.00082**	**I**	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:15	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:15	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:15	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:15	5
Selenium	**0.0034**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:15	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:15	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00028**		0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**490**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**96**		2.0	1.4	mg/L			04/22/23 19:34	1
Fluoride (SM 4500 F C)	**0.15**		0.10	0.070	mg/L			04/21/23 10:21	1
Sulfate (SM 4500 SO4 E)	**140**		25	7.0	mg/L			05/08/23 12:40	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.94**				SU			04/11/23 14:10	1

Client Sample ID: MW-206

Date Collected: 04/11/23 15:41
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 19:19	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 19:19	5
Barium	**0.040**		0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 19:19	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 19:19	5
Boron	**12**		5.0	0.12	mg/L		04/17/23 14:20	04/19/23 17:22	500
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 19:19	5
Calcium	**160**		25	13	mg/L		04/17/23 14:20	04/19/23 17:22	500
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 18:01	5
Cobalt	**0.0013**	**I**	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 19:19	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 19:19	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 19:19	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 19:19	5
Selenium	**0.0051**		0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 19:19	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 19:19	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**890**		10	10	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**250**		8.0	5.6	mg/L			04/22/23 20:50	4
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/21/23 10:21	1
Sulfate (SM 4500 SO4 E)	35	U	130	35	mg/L			05/06/23 21:38	25
Sulfate (SM 4500 SO4 E)	**12**	**I V Q**	25	7.0	mg/L			05/20/23 14:44	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.26**				SU			04/11/23 15:41	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
Q	Sample held beyond the accepted holding time.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample 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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 04/11/23 18:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:12
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		50	621612	NTH	EET PEN	04/19/23 17:15
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:33
Total/NA	Prep	7470A			621450	NET	EET PEN	04/19/23 09:35 - 04/19/23 14:07 [1]
Total/NA	Analysis	7470A		1	621839	NET	EET PEN	04/21/23 10:47
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:34
Total/NA	Analysis	SM 4500 F C		1	621766	JP	EET PEN	04/21/23 10:21
Total/NA	Analysis	SM 4500 SO4 E		5	623940	CJK	EET PEN	05/08/23 12:39
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 18:36

Client Sample ID: MW-201
Date Collected: 04/11/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:15
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		100	621612	NTH	EET PEN	04/19/23 17:18
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 17:58
Total/NA	Prep	7470A			621450	NET	EET PEN	04/19/23 09:35 - 04/19/23 14:07 [1]
Total/NA	Analysis	7470A		1	621839	NET	EET PEN	04/21/23 10:48
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:34
Total/NA	Analysis	SM 4500 F C		1	621766	JP	EET PEN	04/21/23 10:21
Total/NA	Analysis	SM 4500 SO4 E		5	623940	CJK	EET PEN	05/08/23 12:40
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 14:10

Client Sample ID: MW-206
Date Collected: 04/11/23 15:41
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		5	621410	NTH	EET PEN	04/18/23 19:19
Total Recoverable	Prep	3005A			621199	KWN	EET PEN	04/17/23 14:20 - 04/17/23 17:07 [1]
Total Recoverable	Analysis	6020		500	621612	NTH	EET PEN	04/19/23 17:22
Total Recoverable	Prep	3005A			631927	KWN	EET PEN	07/05/23 11:00 - 07/05/23 13:51 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 18:01

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Client Sample ID: MW-206

Date Collected: 04/11/23 15:41
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			621450	NET	EET PEN	04/19/23 09:35 - 04/19/23 14:07 [1]
Total/NA	Analysis	7470A		1	621839	NET	EET PEN	04/21/23 10:50
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		4	621921	DEK	EET PEN	04/22/23 20:50
Total/NA	Analysis	SM 4500 F C		1	621766	JP	EET PEN	04/21/23 10:21
Total/NA	Analysis	SM 4500 SO4 E		5	625814	CJK	EET PEN	05/20/23 14:44
Total/NA	Analysis	SM 4500 SO4 E		25	623794	DEK	EET PEN	05/06/23 21:38
Total/NA	Analysis	Field Sampling		1	622645	S1K	EET PEN	04/11/23 15:41

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 621199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total Recoverable	Water	3005A	
400-235966-2	MW-201	Total Recoverable	Water	3005A	
400-235966-3	MW-206	Total Recoverable	Water	3005A	
MB 400-621199/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-236047-H-3-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-236047-H-3-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 621410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total Recoverable	Water	6020	621199
400-235966-2	MW-201	Total Recoverable	Water	6020	621199
400-235966-3	MW-206	Total Recoverable	Water	6020	621199
MB 400-621199/1-A ^5	Method Blank	Total Recoverable	Water	6020	621199
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	621199
400-236047-H-3-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	621199
400-236047-H-3-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	621199

Prep Batch: 621450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	7470A	
400-235966-2	MW-201	Total/NA	Water	7470A	
400-235966-3	MW-206	Total/NA	Water	7470A	
MB 400-621450/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-621450/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-236163-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-236163-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 621612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total Recoverable	Water	6020	621199
400-235966-2	MW-201	Total Recoverable	Water	6020	621199
400-235966-3	MW-206	Total Recoverable	Water	6020	621199
LCS 400-621199/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	621199

Analysis Batch: 621839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	7470A	621450
400-235966-2	MW-201	Total/NA	Water	7470A	621450
400-235966-3	MW-206	Total/NA	Water	7470A	621450
MB 400-621450/14-A	Method Blank	Total/NA	Water	7470A	621450
LCS 400-621450/15-A	Lab Control Sample	Total/NA	Water	7470A	621450
400-236163-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	621450
400-236163-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	621450

Prep Batch: 631927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total Recoverable	Water	3005A	
400-235966-2	MW-201	Total Recoverable	Water	3005A	
400-235966-3	MW-206	Total Recoverable	Water	3005A	
MB 400-631927/1-A ^5	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 631927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-631927/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235964-C-1-D MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-235964-C-1-E MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 632097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total Recoverable	Water	6020	631927
400-235966-2	MW-201	Total Recoverable	Water	6020	631927
400-235966-3	MW-206	Total Recoverable	Water	6020	631927
MB 400-631927/1-A ^5	Method Blank	Total Recoverable	Water	6020	631927
LCS 400-631927/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	631927
400-235964-C-1-D MS ^5	Matrix Spike	Total Recoverable	Water	6020	631927
400-235964-C-1-E MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	631927

General Chemistry

Analysis Batch: 620910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	SM 2540C	
400-235966-2	MW-201	Total/NA	Water	SM 2540C	
400-235966-3	MW-206	Total/NA	Water	SM 2540C	
MB 400-620910/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620910/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235964-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 621766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	SM 4500 F C	
400-235966-2	MW-201	Total/NA	Water	SM 4500 F C	
400-235966-3	MW-206	Total/NA	Water	SM 4500 F C	
MB 400-621766/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621766/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621766/9	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-236331-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-236331-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-236331-A-11 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 621921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	SM 4500 Cl- E	
400-235966-2	MW-201	Total/NA	Water	SM 4500 Cl- E	
400-235966-3	MW-206	Total/NA	Water	SM 4500 Cl- E	
MB 400-621921/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-621921/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-621921/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 400-621921/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-621921/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-236285-D-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-236285-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
400-236443-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-236443-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

General Chemistry

Analysis Batch: 623794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-3	MW-206	Total/NA	Water	SM 4500 SO4 E	
MB 400-623794/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 400-623794/43	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623794/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623794/44	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-623794/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235804-B-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-235804-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-235962-B-6 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-235962-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 623940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	SM 4500 SO4 E	
400-235966-2	MW-201	Total/NA	Water	SM 4500 SO4 E	
MB 400-623940/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623940/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-623940/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235966-1 MS	MW-200	Total/NA	Water	SM 4500 SO4 E	
400-235966-1 MSD	MW-200	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 625814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-3	MW-206	Total/NA	Water	SM 4500 SO4 E	
MB 400-625814/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-625814/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-625814/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-237181-D-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-237181-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 622645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	Field Sampling	
400-235966-2	MW-201	Total/NA	Water	Field Sampling	
400-235966-3	MW-206	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-621199/1-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/17/23 14:20	04/18/23 18:11	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/17/23 14:20	04/18/23 18:11	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/17/23 14:20	04/18/23 18:11	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/17/23 14:20	04/18/23 18:11	5
Boron	0.0131	I	0.050	0.0012	mg/L		04/17/23 14:20	04/18/23 18:11	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/17/23 14:20	04/18/23 18:11	5
Calcium	0.13	U	0.25	0.13	mg/L		04/17/23 14:20	04/18/23 18:11	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/17/23 14:20	04/18/23 18:11	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/17/23 14:20	04/18/23 18:11	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/17/23 14:20	04/18/23 18:11	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/17/23 14:20	04/18/23 18:11	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/17/23 14:20	04/18/23 18:11	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/17/23 14:20	04/18/23 18:11	5

Lab Sample ID: LCS 400-621199/2-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0533		mg/L		107	80 - 120
Arsenic	0.0500	0.0524		mg/L		105	80 - 120
Barium	0.0500	0.0531		mg/L		106	80 - 120
Beryllium	0.0500	0.0501		mg/L		100	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	5.00	5.26		mg/L		105	80 - 120
Cobalt	0.0500	0.0517		mg/L		103	80 - 120
Lead	0.0500	0.0496		mg/L		99	80 - 120
Lithium	0.0500	0.0477		mg/L		95	80 - 120
Molybdenum	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0500		mg/L		100	80 - 120
Thallium	0.0100	0.00993		mg/L		99	80 - 120

Lab Sample ID: LCS 400-621199/2-A ^5
Matrix: Water
Analysis Batch: 621612

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: 400-236047-H-3-E MS ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0536		mg/L		107	75 - 125
Arsenic	0.0019		0.0500	0.0521		mg/L		100	75 - 125
Barium	0.15		0.0500	0.201		mg/L		104	75 - 125
Beryllium	0.00092	U	0.0500	0.0510		mg/L		102	75 - 125
Boron	0.077		0.100	0.205	J3	mg/L		128	75 - 125

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

Lab Sample ID: 400-236047-H-3-E MS ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.00065	U	0.0500	0.0502		mg/L		100	75 - 125
Calcium	110	L	5.00	116	L	mg/L		112	75 - 125
Cobalt	0.00056	U	0.0500	0.0512		mg/L		102	75 - 125
Lead	0.00081	U	0.0500	0.0507		mg/L		101	75 - 125
Lithium	0.0049	U	0.0500	0.0548		mg/L		110	75 - 125
Molybdenum	0.0013	U	0.0500	0.0524		mg/L		105	75 - 125
Selenium	0.00082	U	0.0500	0.0530		mg/L		106	75 - 125
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125

Lab Sample ID: 400-236047-H-3-F MSD ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 621199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0521		mg/L		104	75 - 125	3	20
Arsenic	0.0019		0.0500	0.0513		mg/L		99	75 - 125	2	20
Barium	0.15		0.0500	0.197		mg/L		96	75 - 125	2	20
Beryllium	0.00092	U	0.0500	0.0507		mg/L		101	75 - 125	1	20
Boron	0.077		0.100	0.193		mg/L		116	75 - 125	6	20
Cadmium	0.00065	U	0.0500	0.0502		mg/L		100	75 - 125	0	20
Calcium	110	L	5.00	115	L	mg/L		93	75 - 125	1	20
Cobalt	0.00056	U	0.0500	0.0486		mg/L		97	75 - 125	5	20
Lead	0.00081	U	0.0500	0.0504		mg/L		101	75 - 125	1	20
Lithium	0.0049	U	0.0500	0.0538		mg/L		108	75 - 125	2	20
Molybdenum	0.0013	U	0.0500	0.0526		mg/L		105	75 - 125	0	20
Selenium	0.00082	U	0.0500	0.0539		mg/L		108	75 - 125	2	20
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	0	20

Lab Sample ID: MB 400-631927/1-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 11:00	07/05/23 16:31	5

Lab Sample ID: LCS 400-631927/2-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0500	0.0523		mg/L		105	80 - 120

Lab Sample ID: 400-235964-C-1-D MS ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0010	U	0.0500	0.0529		mg/L		106	75 - 125

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

Lab Sample ID: 400-235964-C-1-E MSD ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 631927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.0010	U	0.0500	0.0529		mg/L		106	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-621450/14-A
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621450

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/19/23 09:35	04/21/23 10:28	1

Lab Sample ID: LCS 400-621450/15-A
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000920		mg/L		91	80 - 120

Lab Sample ID: 400-236163-B-1-B MS
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00183		mg/L		91	80 - 120

Lab Sample ID: 400-236163-B-1-C MSD
Matrix: Water
Analysis Batch: 621839

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 621450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00175		mg/L		87	80 - 120	4	20

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

Lab Sample ID: MB 400-620910/1
Matrix: Water
Analysis Batch: 620910

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1

Lab Sample ID: LCS 400-620910/2
Matrix: Water
Analysis Batch: 620910

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	293	244		mg/L		83	78 - 122

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

Lab Sample ID: 400-235964-B-1 DU
Matrix: Water
Analysis Batch: 620910

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	74		70.0	J3	mg/L		6	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-621921/13
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:23	1

Lab Sample ID: MB 400-621921/44
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:39	1

Lab Sample ID: LCS 400-621921/14
Matrix: Water
Analysis Batch: 621921

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: LCS 400-621921/45
Matrix: Water
Analysis Batch: 621921

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	45.6		mg/L		91	90 - 110

Lab Sample ID: MRL 400-621921/15
Matrix: Water
Analysis Batch: 621921

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.36	I	mg/L		68	50 - 150

Lab Sample ID: 400-236285-D-1 MS
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	U	10.0	9.21		mg/L		92	73 - 120

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-236285-D-1 MSD
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	U	10.0	15.9	J3	mg/L		159	73 - 120	53	8

Lab Sample ID: 400-236443-B-1 MS
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2800		100	1780	J3	mg/L		-1019	73 - 120

Lab Sample ID: 400-236443-B-1 MSD
Matrix: Water
Analysis Batch: 621921

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2800		100	1780	J3	mg/L		-1020	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-621766/10
Matrix: Water
Analysis Batch: 621766

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/21/23 10:21	1

Lab Sample ID: LCS 400-621766/12
Matrix: Water
Analysis Batch: 621766

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.12		mg/L		102	90 - 110

Lab Sample ID: 400-236331-A-3 MS
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.10		0.100	0.190		mg/L		90	75 - 125

Lab Sample ID: 400-236331-A-3 MSD
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.10		0.100	0.190		mg/L		90	75 - 125	0	4

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-236331-A-11 DU
Matrix: Water
Analysis Batch: 621766

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.082	I	0.0851	I	mg/L		4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-623794/12
Matrix: Water
Analysis Batch: 623794

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/06/23 18:17	1

Lab Sample ID: MB 400-623794/43
Matrix: Water
Analysis Batch: 623794

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/06/23 20:31	1

Lab Sample ID: LCS 400-623794/13
Matrix: Water
Analysis Batch: 623794

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.8		mg/L		99	90 - 110

Lab Sample ID: LCS 400-623794/44
Matrix: Water
Analysis Batch: 623794

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	13.7		mg/L		92	90 - 110

Lab Sample ID: MRL 400-623794/14
Matrix: Water
Analysis Batch: 623794

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.24	I	mg/L		85	50 - 150

Lab Sample ID: 400-235804-B-5 MS
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	1.4	U	10.0	10.2		mg/L		102	77 - 128

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-235804-B-5 MSD
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	10.1		mg/L		101	77 - 128	1	5

Lab Sample ID: 400-235962-B-6 MS
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	2.2	I	10.0	11.5		mg/L		92	77 - 128

Lab Sample ID: 400-235962-B-6 MSD
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	2.2	I	10.0	11.6		mg/L		94	77 - 128	1	5

Lab Sample ID: MB 400-623940/12
Matrix: Water
Analysis Batch: 623940

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/08/23 12:21	1

Lab Sample ID: LCS 400-623940/13
Matrix: Water
Analysis Batch: 623940

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	16.1		mg/L		107	90 - 110

Lab Sample ID: MRL 400-623940/14
Matrix: Water
Analysis Batch: 623940

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	5.42		mg/L		108	50 - 150

Lab Sample ID: 400-235966-1 MS
Matrix: Water
Analysis Batch: 623940

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	130		50.0	121	J3	mg/L		-21	77 - 128

Lab Sample ID: 400-235966-1 MSD
Matrix: Water
Analysis Batch: 623940

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	130		50.0	122	J3	mg/L		-19	77 - 128	1	5

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-625814/12
Matrix: Water
Analysis Batch: 625814

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.85	I	5.0	1.4	mg/L			05/20/23 14:24	1

Lab Sample ID: LCS 400-625814/13
Matrix: Water
Analysis Batch: 625814

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.8	V	mg/L		98	90 - 110		

Lab Sample ID: MRL 400-625814/14
Matrix: Water
Analysis Batch: 625814

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	3.82	I V	mg/L		76	50 - 150		

Lab Sample ID: 400-237181-D-1 MS
Matrix: Water
Analysis Batch: 625814

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	68		5.00	71.1	J3	mg/L		67	77 - 128		

Lab Sample ID: 400-237181-D-1 MSD
Matrix: Water
Analysis Batch: 625814

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	68		5.00	71.3	J3	mg/L		71	77 - 128	0	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer / TODD Voreis	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119422-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Downgradient D	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235966 COC

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)		9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-200	4-11-23	1836	G	Water	No		X	X	X	X	X	X	3	
MW-201	4-11-23	1410	G	Water	No		X	X	X	X	X	X	3	
MW-206	4-11-23	1541	G	Water	No		X	X	X	X	X	X	3	
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify) level II Reports and Associated EDDs

Special Instructions/QC Requirements: ADaPT Files Requested

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-12-23 1550	RDH ENV	Todd Voreis [signature]	12 APR 23 1550	RDH ENV
Todd Voreis [signature]	12 APR 23 1653	RDH ENV	[signature]	4-12-23 1653	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 0.0 1.6 4.8 3.2 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235966-1
SDG Number: Downgradient D

Login Number: 235966
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C, 3.2°C, 4.8°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-1
SDG: Downgradient D

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	09-01-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient D

JOB NUMBER

400-235966-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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Job Notes

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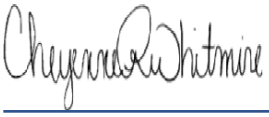
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
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Job ID: 400-235966-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235966-2

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0°C, 1.2°C, 1.6°C, 3.2°C and 4.8°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 Prep Batch 160-608339. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-206 (400-235966-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315_Ra226: Radium-226 Prep Batch 160-608497. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-200 (400-235966-1) and MW-201 (400-235966-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315_Ra226: Radium-226 batch 608339. 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-206 (400-235966-3), (LCS 160-608339/2-A), (LCSD 160-608339/3-A) and (MB 160-608339/1-A)

Method 9315_Ra226: Radium-226 batch 608497. 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-200 (400-235966-1), MW-201 (400-235966-2), (LCS 160-608497/2-A), (LCSD 160-608497/3-A) and (MB 160-608497/1-A)

Method 9320_Ra228: Radium-228 Prep Batch 608343. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-206 (400-235966-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320_Ra228: Radium-228 Prep Batch 160-608510. The following samples were prepared at a reduced aliquot due to Matrix: MW-200 (400-235966-1) and MW-201 (400-235966-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method 9320_Ra228: Radium-228 Prep Batch 160-608510. The method blank (MB) associated with the following samples had a yttrium carrier recovery outside the upper control limit (110%): MW-200 (400-235966-1) and MW-201 (400-235966-2). The final mass was verified, and the sample does not appear unusual. This issue appears to be an anomaly only affecting the MB. The laboratory does not believe this excursion negatively impacts the data. Truncation of the carrier recovery is recommended to avoid any potential data bias.

Method 9320_Ra228: Radium-228 batch 608343. 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-206 (400-235966-3), (LCS 160-608343/2-A), (LCSD 160-608343/3-A) and (MB 160-608343/1-A)

Method 9320_Ra228: Radium-228 batch 608510. The Yttrium carrier recovery is outside the upper QC limit. Upon review of the data nothing appears unusual in the prep or analysis process. Additionally the affected sample is the MB which passed within its QC limits demonstrating no adverse effect from the potential bias. The sample has been truncated to 100% to reduce any potential bias a high carrier recovery may have. (MB 160-608510/1-A)

Method 9320_Ra228: Radium-228 batch 608510. 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-200 (400-235966-1), MW-201 (400-235966-2), (LCS 160-608510/2-A), (LCSD 160-608510/3-A) and (MB 160-608510/1-A)

Job ID: 400-235966-2 (Continued)

Laboratory: Eurofins Pensacola (Continued)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235966-1	MW-200	Water	04/11/23 18:36	04/12/23 16:53
400-235966-2	MW-201	Water	04/11/23 14:10	04/12/23 16:53
400-235966-3	MW-206	Water	04/11/23 15:41	04/12/23 16:53

Client Sample ID: MW-200

Date Collected: 04/11/23 18:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.34		0.376	0.431	1.00	0.257	pCi/L	04/24/23 10:16	05/16/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/24/23 10:16*	*05/16/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.33		0.669	0.736	1.00	0.639	pCi/L	04/24/23 10:55	05/13/23 20:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/24/23 10:55*	*05/13/23 20:16*	*1*
Y Carrier	*86.0*		*30 - 110*	*04/24/23 10:55*	*05/13/23 20:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.67		0.767	0.853	5.00	0.639	pCi/L		05/16/23 15:44	1

Client Sample ID: MW-201

Date Collected: 04/11/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.22		0.374	0.424	1.00	0.247	pCi/L	04/24/23 10:16	05/16/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*04/24/23 10:16*	*05/16/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.47		0.824	1.02	1.00	0.533	pCi/L	04/24/23 10:55	05/13/23 20:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*04/24/23 10:55*	*05/13/23 20:16*	*1*
Y Carrier	*90.5*		*30 - 110*	*04/24/23 10:55*	*05/13/23 20:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.70		0.905	1.10	5.00	0.533	pCi/L		05/16/23 15:44	1

Client Sample ID: MW-206

Date Collected: 04/11/23 15:41
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.72		0.330	0.365	1.00	0.204	pCi/L	04/21/23 09:23	05/15/23 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/21/23 09:23*	*05/15/23 12:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.18		0.433	0.477	1.00	0.382	pCi/L	04/21/23 09:56	05/13/23 20:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/21/23 09:56*	*05/13/23 20:25*	*1*
Y Carrier	*92.0*		*30 - 110*	*04/21/23 09:56*	*05/13/23 20:25*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.90		0.544	0.601	5.00	0.382	pCi/L		05/16/23 15:57	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

Client Sample ID: MW-200

Date Collected: 04/11/23 18:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608497	KAC	EET SL	04/24/23 10:16
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:20
Total/NA	Prep	PrecSep_0			608510	KAC	EET SL	04/24/23 10:55
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 20:16
Total/NA	Analysis	Ra226_Ra228		1	611861	SCB	EET SL	05/16/23 15:44

Client Sample ID: MW-201

Date Collected: 04/11/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608497	KAC	EET SL	04/24/23 10:16
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:20
Total/NA	Prep	PrecSep_0			608510	KAC	EET SL	04/24/23 10:55
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 20:16
Total/NA	Analysis	Ra226_Ra228		1	611861	SCB	EET SL	05/16/23 15:44

Client Sample ID: MW-206

Date Collected: 04/11/23 15:41
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235966-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608339	KAC	EET SL	04/21/23 09:23
Total/NA	Analysis	9315		1	611503	FLC	EET SL	05/15/23 12:42
Total/NA	Prep	PrecSep_0			608343	KAC	EET SL	04/21/23 09:56
Total/NA	Analysis	9320		1	611456	FLC	EET SL	05/13/23 20:25
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 15:57

Laboratory References:

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

Rad

Prep Batch: 608339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-3	MW-206	Total/NA	Water	PrecSep-21	
MB 160-608339/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-608339/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-608339/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 608343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-3	MW-206	Total/NA	Water	PrecSep_0	
MB 160-608343/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-608343/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-608343/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 608497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	PrecSep-21	
400-235966-2	MW-201	Total/NA	Water	PrecSep-21	
MB 160-608497/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-608497/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-608497/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 608510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235966-1	MW-200	Total/NA	Water	PrecSep_0	
400-235966-2	MW-201	Total/NA	Water	PrecSep_0	
MB 160-608510/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-608510/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-608510/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-608339/1-A
Matrix: Water
Analysis Batch: 611503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608339

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08386	U	0.121	0.122	1.00	0.207	pCi/L	04/21/23 09:23	05/15/23 10:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*04/21/23 09:23*	*05/15/23 10:40*	*1*

Lab Sample ID: LCS 160-608339/2-A
Matrix: Water
Analysis Batch: 611503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608339

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.40		1.23	1.00	0.234	pCi/L	92	75 - 113		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*86.7*		*30 - 110*

Lab Sample ID: LCSD 160-608339/3-A
Matrix: Water
Analysis Batch: 611503

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608339

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	12.05		1.41	1.00	0.321	pCi/L	106	75 - 113	0.62	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*77.6*		*30 - 110*

Lab Sample ID: MB 160-608497/1-A
Matrix: Water
Analysis Batch: 611701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608497

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05682	U	0.101	0.101	1.00	0.179	pCi/L	04/24/23 10:16	05/16/23 07:19	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*04/24/23 10:16*	*05/16/23 07:19*	*1*

Lab Sample ID: LCS 160-608497/2-A
Matrix: Water
Analysis Batch: 611701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608497

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.80		1.24	1.00	0.187	pCi/L	95	75 - 113		

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

Lab Sample ID: LCS 160-608497/2-A
Matrix: Water
Analysis Batch: 611701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608497

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.1		30 - 110

Lab Sample ID: LCSD 160-608497/3-A
Matrix: Water
Analysis Batch: 611701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608497

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	9.663		1.13	1.00	0.202	pCi/L	85	75 - 113	0.48	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	84.8		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-608343/1-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608343

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02539	U	0.216	0.216	1.00	0.399	pCi/L	04/21/23 09:56	05/13/23 20:19	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110	04/21/23 09:56	05/13/23 20:19	1
Y Carrier	88.6		30 - 110	04/21/23 09:56	05/13/23 20:19	1

Lab Sample ID: LCS 160-608343/2-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608343

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.96	7.081		0.977	1.00	0.386	pCi/L	89	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.7		30 - 110
Y Carrier	87.9		30 - 110

Lab Sample ID: LCSD 160-608343/3-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608343

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.96	7.534		1.05	1.00	0.420	pCi/L	95	75 - 125	0.22	1

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

Lab Sample ID: LCSD 160-608343/3-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608343

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	77.6		30 - 110
Y Carrier	88.6		30 - 110

Lab Sample ID: MB 160-608510/1-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608510

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.004177	U	0.287	0.287	1.00	0.536	pCi/L	04/24/23 10:55	05/13/23 20:16	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110	04/24/23 10:55	05/13/23 20:16	1
Y Carrier	122	X	30 - 110	04/24/23 10:55	05/13/23 20:16	1

Lab Sample ID: LCS 160-608510/2-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608510

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.96	9.439		1.32	1.00	0.527	pCi/L	119	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.1		30 - 110
Y Carrier	87.9		30 - 110

Lab Sample ID: LCSD 160-608510/3-A
Matrix: Water
Analysis Batch: 611455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608510

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.96	9.959		1.37	1.00	0.612	pCi/L	125	75 - 125	0.19	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	89.0		30 - 110

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rick Hagendorfer / TODD Voreis	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119422-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Downgradient D	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235966 COC

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)		9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride							Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N								
MW-200	4-11-23	1836	G	Water	No		X	X	X	X	X	X							3	
MW-201	4-11-23	1410	G	Water	No		X	X	X	X	X	X							3	
MW-206	4-11-23	1541	G	Water	No		X	X	X	X	X	X							3	
				Water																

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

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

Deliverable Requested: I, II, III, IV, Other (specify) level II Reports and Associated EDDs

Special Instructions/QC Requirements: ADaPT Files Requested

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-12-23 1550	RDH ENV	Todd Voreis [signature]	12 APR 23 1550	RDH ENV
Todd Voreis [signature]	12 APR 23 1653	RDH ENV	[signature]	4-12-23 1653	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 0.0 1.6 4.8 3.2 IR8

Ver: 06/08/2021

5/17/2023

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235966-2
SDG Number: Downgradient D

Login Number: 235966
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C, 3.2°C, 4.8°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235966-2
SDG Number: Downgradient D

Login Number: 235966
List Number: 2
Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis
List Creation: 04/14/23 01:46 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	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235966-2
SDG: Downgradient D

Laboratory: Eurofins St. Louis

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

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

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Generated 8/3/2023 11:44:43 AM Revision 1

JOB DESCRIPTION

CCR GCEC
SDG NUMBER GSA Delineation Sampling

JOB NUMBER

400-235962-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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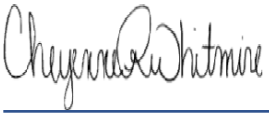
Authorization



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Revision 1

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Job ID: 400-235962-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235962-1

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0°C, 1.2°C, 1.6°C, 3.2°C and 4.8°C

Metals
Method 6020: The ICV for batch 400-621145 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-620858 and analytical batch 400-621145 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020: The method blank for preparation batch 400-620858 and analytical batch 400-621145 contained Selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The ICV for batch 400-621410 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

Method 6020: The method blank for preparation batch 400-620858 and analytical batch 400-621410 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-235962-1) and GSA-2S (400-235962-3). Elevated reporting limits (RLs) are provided.

Method 6020: The continuing calibration verification (CCV) associated with batch 400-621410 recovered above the upper control limit for Boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EB-03 (400-235962-8) and FB-04 (400-235962-11).

Method 7470A: The CCB for preparation batch 400-621134 and 400-621295 and analytical batch 400-621343contained Mercury above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and re-analysis of samples was not performed.

General Chemistry
Method 2540C: The sample duplicate (DUP) precision for analytical batch 400-620901 was outside control limits. Sample non-homogeneity is suspected.

Method SM4500_Cl_E: The following sample was diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-235962-1). Elevated reporting limits (RLs) are provided.

Method SM4500_SO4_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-623940 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Job ID: 400-235962-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

Method SM4500_SO4_E: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-235962-1), (400-235966-B-1), (400-235966-B-1 MS), (400-235966-B-1 MSD), (400-236981-I-3) and (400-236981-I-3 MSD). Elevated reporting limits (RLs) are provided.

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

Comments

A malfunctioning valve on the sample dilution apparatus allowed acid to leach small amounts of chromium from the metal parts and contaminate the samples from that short time period. This was an anomalous event as the lab has not previously ever encountered this issue. The contamination ceased once the valve was replaced and staff have been advised on how to monitor or look for this issue going forward. Chromium has been re-digested, re-analyzed, and re-reported for the affected jobs/samples.

Revision

The report being provided is a revision of the original report sent on 5/18/2023. The report (revision 1) is being revised due to: Chromium data had to be rerun and reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S — Lab Sample ID: 400-235962-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.089		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	12		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	200		13	6.3	mg/L	250		6020	Total Recoverable
Cobalt	0.0021	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.0026	V	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Mercury	0.00029		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	290		8.0	5.6	mg/L	4		SM 4500 Cl- E	Total/NA
Sulfate	190		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.89				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-200D — Lab Sample ID: 400-235962-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.029		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.036	V	0.010	0.00024	mg/L	1		6020	Total Recoverable
Calcium	4.7		0.050	0.025	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	52		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	11		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.46				SU	1		Field Sampling	Total/NA

Client Sample ID: GSA-2S — Lab Sample ID: 400-235962-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.024		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	1.0		0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	29		2.5	1.3	mg/L	50		6020	Total Recoverable
Cobalt	0.0011	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.00084	I V	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	36		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	31		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.44				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-201D — Lab Sample ID: 400-235962-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.055		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.025	V	0.010	0.00024	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-201D (Continued) — Lab Sample ID: 400-235962-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6.4		0.050	0.025	mg/L	1		6020	Total Recoverable
Lithium	0.0077		0.0010	0.00098	mg/L	1		6020	Total Recoverable
Selenium	0.00023	I	0.00025	0.00016	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	52		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.5		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.5	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.63				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-203D — Lab Sample ID: 400-235962-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00044		0.00025	0.00024	mg/L	1		6020	Total Recoverable
Barium	0.013		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.021	V	0.010	0.00024	mg/L	1		6020	Total Recoverable
Calcium	1.6		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00073		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lithium	0.011		0.0010	0.00098	mg/L	1		6020	Total Recoverable
Selenium	0.00048		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Thallium	0.00015		0.00010	0.000092	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	42		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	19		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	7.9		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	5.90				SU	1		Field Sampling	Total/NA

Client Sample ID: MW2032/GE-1D — Lab Sample ID: 400-235962-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.025	V	0.010	0.00024	mg/L	1		6020	Total Recoverable
Calcium	2.2		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.0021		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00027		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Lithium	0.0028		0.0010	0.00098	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	74		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	15		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	2.2	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.42				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: DUP-05 — Lab Sample ID: 400-235962-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.024		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.028	V	0.010	0.00024	mg/L	1		6020	Total Recoverable
Calcium	2.0		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.0019		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00023	I	0.00025	0.00016	mg/L	1		6020	Total Recoverable
Lithium	0.0017		0.0010	0.00098	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	84		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	15		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	2.4	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.42				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-03 — Lab Sample ID: 400-235962-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.00079	I	0.010	0.00024	mg/L	1		6020	Total Recoverable
Selenium	0.00019	I	0.00025	0.00016	mg/L	1		6020	Total Recoverable

Client Sample ID: FB-03 — Lab Sample ID: 400-235962-9

No Detections.

Client Sample ID: EB-04 — Lab Sample ID: 400-235962-10

No Detections.

Client Sample ID: FB-04 — Lab Sample ID: 400-235962-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.00049	I	0.010	0.00024	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235962-1	PZ-200S	Water	04/12/23 15:14	04/12/23 16:53
400-235962-2	PZ-200D	Water	04/12/23 15:56	04/12/23 16:53
400-235962-3	GSA-2S	Water	04/12/23 13:17	04/12/23 16:53
400-235962-4	PZ-201D	Water	04/12/23 13:36	04/12/23 16:53
400-235962-5	PZ-203D	Water	04/12/23 09:43	04/12/23 16:53
400-235962-6	MW2032/GE-1D	Water	04/12/23 11:35	04/12/23 16:53
400-235962-7	DUP-05	Water	04/12/23 10:35	04/12/23 16:53
400-235962-8	EB-03	Water	04/12/23 08:47	04/12/23 16:53
400-235962-9	FB-03	Water	04/12/23 08:40	04/12/23 16:53
400-235962-10	EB-04	Water	04/12/23 14:06	04/12/23 16:53
400-235962-11	FB-04	Water	04/12/23 14:10	04/12/23 16:53

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S

Date Collected: 04/12/23 15:14
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/14/23 10:23	04/16/23 14:45	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/14/23 10:23	04/16/23 14:45	5
Barium	**0.089**		0.0025	0.00070	mg/L		04/14/23 10:23	04/16/23 14:45	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/14/23 10:23	04/16/23 14:45	5
Boron	**12**		2.5	0.059	mg/L		04/14/23 10:23	04/18/23 16:33	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/14/23 10:23	04/16/23 14:45	5
Calcium	**200**		13	6.3	mg/L		04/14/23 10:23	04/18/23 16:33	250
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:29	5
Cobalt	**0.0021**	**I**	0.0025	0.00056	mg/L		04/14/23 10:23	04/16/23 14:45	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/14/23 10:23	04/16/23 14:45	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/14/23 10:23	04/16/23 14:45	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/14/23 10:23	04/16/23 14:45	5
Selenium	**0.0026**	**V**	0.0013	0.00082	mg/L		04/14/23 10:23	04/16/23 14:45	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/14/23 10:23	04/16/23 14:45	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00029**		0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10	10	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**290**		8.0	5.6	mg/L			04/22/23 20:52	4
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:09	1
Sulfate (SM 4500 SO4 E)	**190**		25	7.0	mg/L			05/08/23 12:42	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.89**				SU			04/12/23 15:14	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200D

Date Collected: 04/12/23 15:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 16:37	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 16:37	1
Barium	**0.029**		0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 16:37	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 16:37	1
Boron	**0.036**	**V**	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 16:37	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 16:37	1
Calcium	**4.7**		0.050	0.025	mg/L		04/14/23 10:23	04/18/23 16:37	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:32	5
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 16:37	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:37	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 16:37	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 16:37	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:37	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 16:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**52**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**2.6**		2.0	1.4	mg/L			04/22/23 19:52	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:12	1
Sulfate (SM 4500 SO4 E)	**11**		5.0	1.4	mg/L			05/07/23 13:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.46**				SU			04/12/23 15:56	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: GSA-2S

Date Collected: 04/12/23 13:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/14/23 10:23	04/16/23 15:13	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/14/23 10:23	04/16/23 15:13	5
Barium	**0.024**		0.0025	0.00070	mg/L		04/14/23 10:23	04/16/23 15:13	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/14/23 10:23	04/16/23 15:13	5
Boron	**1.0**		0.50	0.012	mg/L		04/14/23 10:23	04/18/23 16:40	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/14/23 10:23	04/16/23 15:13	5
Calcium	**29**		2.5	1.3	mg/L		04/14/23 10:23	04/18/23 16:40	50
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:35	5
Cobalt	**0.0011**	**I**	0.0025	0.00056	mg/L		04/14/23 10:23	04/16/23 15:13	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/14/23 10:23	04/16/23 15:13	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/14/23 10:23	04/16/23 15:13	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/14/23 10:23	04/16/23 15:13	5
Selenium	**0.00084**	**I V**	0.0013	0.00082	mg/L		04/14/23 10:23	04/16/23 15:13	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/14/23 10:23	04/16/23 15:13	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**240**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**36**		2.0	1.4	mg/L			04/22/23 19:42	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:15	1
Sulfate (SM 4500 SO4 E)	**31**		5.0	1.4	mg/L			05/06/23 18:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.44**				SU			04/12/23 13:17	1

Client Sample ID: PZ-201D

Date Collected: 04/12/23 13:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 16:43	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 16:43	1
Barium	**0.055**		0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 16:43	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 16:43	1
Boron	**0.025**	**V**	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 16:43	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 16:43	1
Calcium	**6.4**		0.050	0.025	mg/L		04/14/23 10:23	04/18/23 16:43	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:38	5
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 16:43	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:43	1
Lithium	**0.0077**		0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 16:43	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 16:43	1
Selenium	**0.00023**	**I**	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:43	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 16:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**52**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**3.5**		2.0	1.4	mg/L			04/22/23 19:42	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:18	1
Sulfate (SM 4500 SO4 E)	**4.5**	**I**	5.0	1.4	mg/L			05/06/23 18:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.63**				SU			04/12/23 13:36	1

Client Sample ID: PZ-203D

Date Collected: 04/12/23 09:43
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 16:47	1
Arsenic	**0.00044**		0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 16:47	1
Barium	**0.013**		0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 16:47	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 16:47	1
Boron	**0.021**	**V**	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 16:47	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 16:47	1
Calcium	**1.6**		0.050	0.025	mg/L		04/14/23 10:23	04/18/23 16:47	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:42	5
Cobalt	**0.00073**		0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 16:47	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:47	1
Lithium	**0.011**		0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 16:47	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 16:47	1
Selenium	**0.00048**		0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 16:47	1
Thallium	**0.00015**		0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 16:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**42**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**19**		2.0	1.4	mg/L			04/22/23 19:43	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:21	1
Sulfate (SM 4500 SO4 E)	**7.9**		5.0	1.4	mg/L			05/06/23 18:29	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.90**				SU			04/12/23 09:43	1

Client Sample ID: MW2032/GE-1D

Date Collected: 04/12/23 11:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:14	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:14	1
Barium	**0.026**		0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:14	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:14	1
Boron	**0.025**	**V**	0.010	0.00024	mg/L		04/14/23 10:23	04/24/23 14:43	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:14	1
Calcium	**2.2**		0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:14	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:45	5
Cobalt	**0.0021**		0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:14	1
Lead	**0.00027**		0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:14	1
Lithium	**0.0028**		0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:14	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:14	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:14	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**74**		5.0	5.0	mg/L			04/14/23 12:59	1
Chloride (SM 4500 Cl- E)	**15**		2.0	1.4	mg/L			04/22/23 19:43	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:24	1
Sulfate (SM 4500 SO4 E)	**2.2**	**I**	5.0	1.4	mg/L			05/06/23 18:26	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.42**				SU			04/12/23 11:35	1

Client Sample ID: DUP-05

Date Collected: 04/12/23 10:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:17	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:17	1
Barium	**0.024**		0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:17	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:17	1
Boron	**0.028**	**V**	0.010	0.00024	mg/L		04/14/23 10:23	04/24/23 14:47	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:17	1
Calcium	**2.0**		0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:17	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 15:48	5
Cobalt	**0.0019**		0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:17	1
Lead	**0.00023**	**I**	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:17	1
Lithium	**0.0017**		0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:17	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:17	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:17	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**84**		5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	**15**		2.0	1.4	mg/L			04/22/23 19:44	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:27	1
Sulfate (SM 4500 SO4 E)	**2.4**	**I**	5.0	1.4	mg/L			05/06/23 18:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.42**				SU			04/12/23 10:35	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: EB-03

Date Collected: 04/12/23 08:47
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:21	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:21	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:21	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:21	1
Boron	**0.00079**	**I**	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 17:21	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:21	1
Calcium	0.025	U	0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:21	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/13/23 15:32	07/15/23 01:30	5
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:21	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:21	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:21	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:21	1
Selenium	**0.00019**	**I**	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:21	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			04/22/23 19:45	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:30	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			05/06/23 18:29	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: FB-03

Date Collected: 04/12/23 08:40
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:24	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:24	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:24	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:24	1
Boron	0.00024	U	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 17:24	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:24	1
Calcium	0.025	U	0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:24	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/14/23 10:23	04/18/23 17:24	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:24	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:24	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:24	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:24	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:24	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			04/22/23 19:45	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:33	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			05/06/23 18:28	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: EB-04

Date Collected: 04/12/23 14:06
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:27	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:27	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:27	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:27	1
Boron	0.00024	U	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 17:27	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:27	1
Calcium	0.025	U	0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:27	1
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/13/23 15:32	07/15/23 01:34	5
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:27	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:27	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:27	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:27	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:27	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			04/22/23 19:46	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:42	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			05/06/23 18:24	1

Client Sample ID: FB-04

Date Collected: 04/12/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-11

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/14/23 10:23	04/18/23 17:30	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		04/14/23 10:23	04/18/23 17:30	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/14/23 10:23	04/18/23 17:30	1
Beryllium	0.00018	U	0.00050	0.00018	mg/L		04/14/23 10:23	04/18/23 17:30	1
Boron	**0.00049**	**I**	0.010	0.00024	mg/L		04/14/23 10:23	04/18/23 17:30	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		04/14/23 10:23	04/18/23 17:30	1
Calcium	0.025	U	0.050	0.025	mg/L		04/14/23 10:23	04/18/23 17:30	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/14/23 10:23	04/18/23 17:30	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/14/23 10:23	04/18/23 17:30	1
Lead	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:30	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/14/23 10:23	04/18/23 17:30	1
Molybdenum	0.00026	U	0.0030	0.00026	mg/L		04/14/23 10:23	04/18/23 17:30	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/14/23 10:23	04/18/23 17:30	1
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/14/23 10:23	04/18/23 17:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 14:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			04/22/23 19:46	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			04/18/23 13:48	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			05/06/23 18:28	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S
Date Collected: 04/12/23 15:14
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		5	621145	NTH	EET PEN	04/16/23 14:45
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		250	621410	NTH	EET PEN	04/18/23 16:33
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:29
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:04
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		4	621921	DEK	EET PEN	04/22/23 20:52
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:09
Total/NA	Analysis	SM 4500 SO4 E		5	623940	CJK	EET PEN	05/08/23 12:42
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 15:14

Client Sample ID: PZ-200D
Date Collected: 04/12/23 15:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 16:37
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:32
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:05
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:52
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:12
Total/NA	Analysis	SM 4500 SO4 E		1	623835	CJK	EET PEN	05/07/23 13:32
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 15:56

Client Sample ID: GSA-2S
Date Collected: 04/12/23 13:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		5	621145	NTH	EET PEN	04/16/23 15:13
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		50	621410	NTH	EET PEN	04/18/23 16:40
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:35
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:07

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: GSA-2S
Date Collected: 04/12/23 13:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:42
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:15
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:31
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 13:17

Client Sample ID: PZ-201D
Date Collected: 04/12/23 13:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 16:43
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:38
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:08
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:42
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:18
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:31
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 13:36

Client Sample ID: PZ-203D
Date Collected: 04/12/23 09:43
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 16:47
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:42
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:09
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:43
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:21
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:29
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 09:43

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: MW2032/GE-1D
Date Collected: 04/12/23 11:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:14
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	622130	NTH	EET PEN	04/24/23 14:43
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:45
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:10
Total/NA	Analysis	SM 2540C		1	620901	VB	EET PEN	04/14/23 12:59
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:43
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:24
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:26
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 11:35

Client Sample ID: DUP-05
Date Collected: 04/12/23 10:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:17
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	622130	NTH	EET PEN	04/24/23 14:47
Total Recoverable	Prep	3005A			631915	KWN	EET PEN	07/05/23 09:56 - 07/05/23 13:20 [1]
Total Recoverable	Analysis	6020		5	632097	NTH	EET PEN	07/05/23 15:48
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:11
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:44
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:27
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:30
Total/NA	Analysis	Field Sampling		1	622644	S1K	EET PEN	04/12/23 10:35

Client Sample ID: EB-03
Date Collected: 04/12/23 08:47
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:21
Total Recoverable	Prep	3005A			633059	KWN	EET PEN	07/13/23 15:32 - 07/13/23 18:41 [1]
Total Recoverable	Analysis	6020		5	633291	NTH	EET PEN	07/15/23 01:30
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:13

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: EB-03
Date Collected: 04/12/23 08:47
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:45
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:30
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:29

Client Sample ID: FB-03
Date Collected: 04/12/23 08:40
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:24
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:14
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:45
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:33
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:28

Client Sample ID: EB-04
Date Collected: 04/12/23 14:06
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:27
Total Recoverable	Prep	3005A			633059	KWN	EET PEN	07/13/23 15:32 - 07/13/23 18:41 [1]
Total Recoverable	Analysis	6020		5	633291	NTH	EET PEN	07/15/23 01:34
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:15
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:46
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:42
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:24

Client Sample ID: FB-04
Date Collected: 04/12/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			620858	CJK	EET PEN	04/14/23 10:23 - 04/14/23 15:11 [1]
Total Recoverable	Analysis	6020		1	621410	NTH	EET PEN	04/18/23 17:30
Total/NA	Prep	7470A			621295	ARE	EET PEN	04/18/23 10:30 - 04/18/23 13:24 [1]
Total/NA	Analysis	7470A		1	621343	NET	EET PEN	04/18/23 14:19

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Client Sample ID: FB-04
Date Collected: 04/12/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	620910	VB	EET PEN	04/14/23 13:12
Total/NA	Analysis	SM 4500 Cl- E		1	621921	DEK	EET PEN	04/22/23 19:46
Total/NA	Analysis	SM 4500 F C		1	621299	JP	EET PEN	04/18/23 13:48
Total/NA	Analysis	SM 4500 SO4 E		1	623794	DEK	EET PEN	05/06/23 18:28

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 620858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total Recoverable	Water	3005A	
400-235962-2	PZ-200D	Total Recoverable	Water	3005A	
400-235962-3	GSA-2S	Total Recoverable	Water	3005A	
400-235962-4	PZ-201D	Total Recoverable	Water	3005A	
400-235962-5	PZ-203D	Total Recoverable	Water	3005A	
400-235962-6	MW2032/GE-1D	Total Recoverable	Water	3005A	
400-235962-7	DUP-05	Total Recoverable	Water	3005A	
400-235962-8	EB-03	Total Recoverable	Water	3005A	
400-235962-9	FB-03	Total Recoverable	Water	3005A	
400-235962-10	EB-04	Total Recoverable	Water	3005A	
400-235962-11	FB-04	Total Recoverable	Water	3005A	
MB 400-620858/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-620858/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235944-H-8-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-235944-H-8-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 621145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total Recoverable	Water	6020	620858
400-235962-3	GSA-2S	Total Recoverable	Water	6020	620858
MB 400-620858/1-A ^5	Method Blank	Total Recoverable	Water	6020	620858
400-235944-H-8-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	620858
400-235944-H-8-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	620858

Prep Batch: 621295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	7470A	
400-235962-2	PZ-200D	Total/NA	Water	7470A	
400-235962-3	GSA-2S	Total/NA	Water	7470A	
400-235962-4	PZ-201D	Total/NA	Water	7470A	
400-235962-5	PZ-203D	Total/NA	Water	7470A	
400-235962-6	MW2032/GE-1D	Total/NA	Water	7470A	
400-235962-7	DUP-05	Total/NA	Water	7470A	
400-235962-8	EB-03	Total/NA	Water	7470A	
400-235962-9	FB-03	Total/NA	Water	7470A	
400-235962-10	EB-04	Total/NA	Water	7470A	
400-235962-11	FB-04	Total/NA	Water	7470A	
MB 400-621295/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-621295/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-236200-A-2-B MS	Matrix Spike	Total/NA	Water	7470A	
400-236200-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 621343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	7470A	621295
400-235962-2	PZ-200D	Total/NA	Water	7470A	621295
400-235962-3	GSA-2S	Total/NA	Water	7470A	621295
400-235962-4	PZ-201D	Total/NA	Water	7470A	621295
400-235962-5	PZ-203D	Total/NA	Water	7470A	621295
400-235962-6	MW2032/GE-1D	Total/NA	Water	7470A	621295
400-235962-7	DUP-05	Total/NA	Water	7470A	621295

Metals (Continued)

Analysis Batch: 621343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-8	EB-03	Total/NA	Water	7470A	621295
400-235962-9	FB-03	Total/NA	Water	7470A	621295
400-235962-10	EB-04	Total/NA	Water	7470A	621295
400-235962-11	FB-04	Total/NA	Water	7470A	621295
MB 400-621295/14-A	Method Blank	Total/NA	Water	7470A	621295
LCS 400-621295/15-A	Lab Control Sample	Total/NA	Water	7470A	621295
400-236200-A-2-B MS	Matrix Spike	Total/NA	Water	7470A	621295
400-236200-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	621295

Analysis Batch: 621410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total Recoverable	Water	6020	620858
400-235962-2	PZ-200D	Total Recoverable	Water	6020	620858
400-235962-3	GSA-2S	Total Recoverable	Water	6020	620858
400-235962-4	PZ-201D	Total Recoverable	Water	6020	620858
400-235962-5	PZ-203D	Total Recoverable	Water	6020	620858
400-235962-6	MW2032/GE-1D	Total Recoverable	Water	6020	620858
400-235962-7	DUP-05	Total Recoverable	Water	6020	620858
400-235962-8	EB-03	Total Recoverable	Water	6020	620858
400-235962-9	FB-03	Total Recoverable	Water	6020	620858
400-235962-10	EB-04	Total Recoverable	Water	6020	620858
400-235962-11	FB-04	Total Recoverable	Water	6020	620858
MB 400-620858/1-A ^5	Method Blank	Total Recoverable	Water	6020	620858
LCS 400-620858/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	620858

Analysis Batch: 622130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-6	MW2032/GE-1D	Total Recoverable	Water	6020	620858
400-235962-7	DUP-05	Total Recoverable	Water	6020	620858

Prep Batch: 631915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total Recoverable	Water	3005A	
400-235962-2	PZ-200D	Total Recoverable	Water	3005A	
400-235962-3	GSA-2S	Total Recoverable	Water	3005A	
400-235962-4	PZ-201D	Total Recoverable	Water	3005A	
400-235962-5	PZ-203D	Total Recoverable	Water	3005A	
400-235962-6	MW2032/GE-1D	Total Recoverable	Water	3005A	
400-235962-7	DUP-05	Total Recoverable	Water	3005A	
MB 400-631915/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-631915/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-235780-C-2-D MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-235780-C-2-E MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 632097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total Recoverable	Water	6020	631915
400-235962-2	PZ-200D	Total Recoverable	Water	6020	631915
400-235962-3	GSA-2S	Total Recoverable	Water	6020	631915
400-235962-4	PZ-201D	Total Recoverable	Water	6020	631915
400-235962-5	PZ-203D	Total Recoverable	Water	6020	631915

Metals (Continued)

Analysis Batch: 632097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-6	MW2032/GE-1D	Total Recoverable	Water	6020	631915
400-235962-7	DUP-05	Total Recoverable	Water	6020	631915
MB 400-631915/1-A ^5	Method Blank	Total Recoverable	Water	6020	631915
LCS 400-631915/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	631915
400-235780-C-2-D MS ^5	Matrix Spike	Total Recoverable	Water	6020	631915
400-235780-C-2-E MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	631915

Prep Batch: 633059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-8	EB-03	Total Recoverable	Water	3005A	
400-235962-10	EB-04	Total Recoverable	Water	3005A	
MB 400-633059/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-633059/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
280-178580-B-1-B MS ^10	Matrix Spike	Total Recoverable	Water	3005A	
280-178580-B-1-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 633291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-8	EB-03	Total Recoverable	Water	6020	633059
400-235962-10	EB-04	Total Recoverable	Water	6020	633059
MB 400-633059/1-A ^5	Method Blank	Total Recoverable	Water	6020	633059
LCS 400-633059/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	633059
280-178580-B-1-B MS ^10	Matrix Spike	Total Recoverable	Water	6020	633059
280-178580-B-1-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	6020	633059

General Chemistry

Analysis Batch: 620901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-6	MW2032/GE-1D	Total/NA	Water	SM 2540C	
MB 400-620901/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620901/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235885-D-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 620910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	SM 2540C	
400-235962-2	PZ-200D	Total/NA	Water	SM 2540C	
400-235962-3	GSA-2S	Total/NA	Water	SM 2540C	
400-235962-4	PZ-201D	Total/NA	Water	SM 2540C	
400-235962-5	PZ-203D	Total/NA	Water	SM 2540C	
400-235962-7	DUP-05	Total/NA	Water	SM 2540C	
400-235962-8	EB-03	Total/NA	Water	SM 2540C	
400-235962-9	FB-03	Total/NA	Water	SM 2540C	
400-235962-10	EB-04	Total/NA	Water	SM 2540C	
400-235962-11	FB-04	Total/NA	Water	SM 2540C	
MB 400-620910/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-620910/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-235962-1 DU	PZ-200S	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 621299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	SM 4500 F C	
400-235962-2	PZ-200D	Total/NA	Water	SM 4500 F C	
400-235962-3	GSA-2S	Total/NA	Water	SM 4500 F C	
400-235962-4	PZ-201D	Total/NA	Water	SM 4500 F C	
400-235962-5	PZ-203D	Total/NA	Water	SM 4500 F C	
400-235962-6	MW2032/GE-1D	Total/NA	Water	SM 4500 F C	
400-235962-7	DUP-05	Total/NA	Water	SM 4500 F C	
400-235962-8	EB-03	Total/NA	Water	SM 4500 F C	
400-235962-9	FB-03	Total/NA	Water	SM 4500 F C	
400-235962-10	EB-04	Total/NA	Water	SM 4500 F C	
400-235962-11	FB-04	Total/NA	Water	SM 4500 F C	
MB 400-621299/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-621299/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-621299/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-235780-B-7 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-235780-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-235962-10 DU	EB-04	Total/NA	Water	SM 4500 F C	

Analysis Batch: 621921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	SM 4500 Cl- E	
400-235962-2	PZ-200D	Total/NA	Water	SM 4500 Cl- E	
400-235962-3	GSA-2S	Total/NA	Water	SM 4500 Cl- E	
400-235962-4	PZ-201D	Total/NA	Water	SM 4500 Cl- E	
400-235962-5	PZ-203D	Total/NA	Water	SM 4500 Cl- E	
400-235962-6	MW2032/GE-1D	Total/NA	Water	SM 4500 Cl- E	
400-235962-7	DUP-05	Total/NA	Water	SM 4500 Cl- E	
400-235962-8	EB-03	Total/NA	Water	SM 4500 Cl- E	
400-235962-9	FB-03	Total/NA	Water	SM 4500 Cl- E	
400-235962-10	EB-04	Total/NA	Water	SM 4500 Cl- E	
400-235962-11	FB-04	Total/NA	Water	SM 4500 Cl- E	
MB 400-621921/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-621921/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-621921/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-621921/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-235962-11 MS	FB-04	Total/NA	Water	SM 4500 Cl- E	
400-235962-11 MSD	FB-04	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 623794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-3	GSA-2S	Total/NA	Water	SM 4500 SO4 E	
400-235962-4	PZ-201D	Total/NA	Water	SM 4500 SO4 E	
400-235962-5	PZ-203D	Total/NA	Water	SM 4500 SO4 E	
400-235962-6	MW2032/GE-1D	Total/NA	Water	SM 4500 SO4 E	
400-235962-7	DUP-05	Total/NA	Water	SM 4500 SO4 E	
400-235962-8	EB-03	Total/NA	Water	SM 4500 SO4 E	
400-235962-9	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-235962-10	EB-04	Total/NA	Water	SM 4500 SO4 E	
400-235962-11	FB-04	Total/NA	Water	SM 4500 SO4 E	
MB 400-623794/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623794/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 623794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 400-623794/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235804-B-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-235804-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-235962-6 MS	MW2032/GE-1D	Total/NA	Water	SM 4500 SO4 E	
400-235962-6 MSD	MW2032/GE-1D	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 623835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-2	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
MB 400-623835/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623835/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-623835/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-235962-2 MS	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
400-235962-2 MSD	PZ-200D	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 623940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	SM 4500 SO4 E	
MB 400-623940/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623940/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-623940/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-236981-I-3 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-236981-I-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 622644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	Field Sampling	
400-235962-2	PZ-200D	Total/NA	Water	Field Sampling	
400-235962-3	GSA-2S	Total/NA	Water	Field Sampling	
400-235962-4	PZ-201D	Total/NA	Water	Field Sampling	
400-235962-5	PZ-203D	Total/NA	Water	Field Sampling	
400-235962-6	MW2032/GE-1D	Total/NA	Water	Field Sampling	
400-235962-7	DUP-05	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-620858/1-A ^5
Matrix: Water
Analysis Batch: 621145

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/14/23 10:23	04/16/23 14:17	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/14/23 10:23	04/16/23 14:17	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/14/23 10:23	04/16/23 14:17	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/14/23 10:23	04/16/23 14:17	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/14/23 10:23	04/16/23 14:17	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/14/23 10:23	04/16/23 14:17	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/14/23 10:23	04/16/23 14:17	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/14/23 10:23	04/16/23 14:17	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/14/23 10:23	04/16/23 14:17	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/14/23 10:23	04/16/23 14:17	5
Selenium	0.000885	I	0.0013	0.00082	mg/L		04/14/23 10:23	04/16/23 14:17	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/14/23 10:23	04/16/23 14:17	5

Lab Sample ID: MB 400-620858/1-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.00779	I	0.050	0.0012	mg/L		04/14/23 10:23	04/18/23 13:32	5
Calcium	0.13	U	0.25	0.13	mg/L		04/14/23 10:23	04/18/23 13:32	5

Lab Sample ID: LCS 400-620858/2-A ^5
Matrix: Water
Analysis Batch: 621410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0524		mg/L		105	80 - 120
Arsenic	0.0500	0.0517		mg/L		103	80 - 120
Barium	0.0500	0.0537		mg/L		107	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Boron	0.100	0.114		mg/L		114	80 - 120
Cadmium	0.0500	0.0525		mg/L		105	80 - 120
Calcium	5.00	4.83		mg/L		97	80 - 120
Cobalt	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0530		mg/L		106	80 - 120
Lithium	0.0500	0.0486		mg/L		97	80 - 120
Molybdenum	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0517		mg/L		103	80 - 120
Thallium	0.0100	0.0107		mg/L		107	80 - 120

Lab Sample ID: 400-235944-H-8-E MS ^5
Matrix: Water
Analysis Batch: 621145

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0521		mg/L		104	75 - 125
Arsenic	0.012		0.0500	0.0594		mg/L		95	75 - 125
Barium	0.19		0.0500	0.243		mg/L		107	75 - 125
Beryllium	0.00092	U	0.0500	0.0489		mg/L		98	75 - 125

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

Lab Sample ID: 400-235944-H-8-E MS ^5
Matrix: Water
Analysis Batch: 621145

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.16		0.100	0.266		mg/L		108	75 - 125
Cadmium	0.00065	U	0.0500	0.0498		mg/L		100	75 - 125
Calcium	120	L	5.00	117	L J3	mg/L		36	75 - 125
Cobalt	0.00056	U	0.0500	0.0492		mg/L		98	75 - 125
Lead	0.00081	U	0.0500	0.0498		mg/L		100	75 - 125
Lithium	0.012		0.0500	0.0600		mg/L		97	75 - 125
Molybdenum	0.0013	U	0.0500	0.0529		mg/L		106	75 - 125
Selenium	0.00082	U	0.0500	0.0471		mg/L		94	75 - 125
Thallium	0.00046	U	0.0100	0.0100		mg/L		100	75 - 125

Lab Sample ID: 400-235944-H-8-F MSD ^5
Matrix: Water
Analysis Batch: 621145

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 620858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0534		mg/L		107	75 - 125	2	20
Arsenic	0.012		0.0500	0.0611		mg/L		99	75 - 125	3	20
Barium	0.19		0.0500	0.249		mg/L		120	75 - 125	3	20
Beryllium	0.00092	U	0.0500	0.0507		mg/L		101	75 - 125	4	20
Boron	0.16		0.100	0.261		mg/L		102	75 - 125	2	20
Cadmium	0.00065	U	0.0500	0.0509		mg/L		102	75 - 125	2	20
Calcium	120	L	5.00	122	L J3	mg/L		141	75 - 125	4	20
Cobalt	0.00056	U	0.0500	0.0505		mg/L		101	75 - 125	3	20
Lead	0.00081	U	0.0500	0.0524		mg/L		105	75 - 125	5	20
Lithium	0.012		0.0500	0.0607		mg/L		98	75 - 125	1	20
Molybdenum	0.0013	U	0.0500	0.0526		mg/L		105	75 - 125	1	20
Selenium	0.00082	U	0.0500	0.0489		mg/L		98	75 - 125	4	20
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125	3	20

Lab Sample ID: MB 400-631915/1-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/05/23 09:56	07/05/23 14:27	5

Lab Sample ID: LCS 400-631915/2-A ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0500	0.0486		mg/L		97	80 - 120

Lab Sample ID: 400-235780-C-2-D MS ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0010	U	0.0500	0.0519		mg/L		104	75 - 125

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

Lab Sample ID: 400-235780-C-2-E MSD ^5
Matrix: Water
Analysis Batch: 632097

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 631915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.0010	U	0.0500	0.0530		mg/L		106	75 - 125	2	20

Lab Sample ID: MB 400-633059/1-A ^5
Matrix: Water
Analysis Batch: 633291

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 633059

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		07/13/23 15:32	07/14/23 23:30	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		07/13/23 15:32	07/14/23 23:30	5
Barium	0.00070	U	0.0025	0.00070	mg/L		07/13/23 15:32	07/14/23 23:30	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		07/13/23 15:32	07/14/23 23:30	5
Boron	0.0107	I	0.050	0.0012	mg/L		07/13/23 15:32	07/14/23 23:30	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		07/13/23 15:32	07/14/23 23:30	5
Calcium	0.13	U	0.25	0.13	mg/L		07/13/23 15:32	07/14/23 23:30	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		07/13/23 15:32	07/14/23 23:30	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		07/13/23 15:32	07/14/23 23:30	5
Lead	0.00081	U	0.0013	0.00081	mg/L		07/13/23 15:32	07/14/23 23:30	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		07/13/23 15:32	07/14/23 23:30	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		07/13/23 15:32	07/14/23 23:30	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		07/13/23 15:32	07/14/23 23:30	5

Lab Sample ID: LCS 400-633059/2-A ^5
Matrix: Water
Analysis Batch: 633291

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 633059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0533		mg/L		107	80 - 120
Arsenic	0.0500	0.0490		mg/L		98	80 - 120
Barium	0.0500	0.0515		mg/L		103	80 - 120
Beryllium	0.0500	0.0495		mg/L		99	80 - 120
Boron	0.100	0.110		mg/L		110	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Calcium	5.00	5.38		mg/L		108	80 - 120
Chromium	0.0500	0.0527		mg/L		105	80 - 120
Cobalt	0.0500	0.0515		mg/L		103	80 - 120
Lead	0.0500	0.0525		mg/L		105	80 - 120
Lithium	0.0500	0.0500		mg/L		100	80 - 120
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0486		mg/L		97	80 - 120
Thallium	0.0100	0.0106		mg/L		106	80 - 120

Lab Sample ID: 280-178580-B-1-B MS ^10
Matrix: Water
Analysis Batch: 633291

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 633059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0030	U	0.0500	0.0549		mg/L		110	75 - 125
Arsenic	0.0024	U	0.0500	0.0501		mg/L		100	75 - 125
Barium	0.025		0.0500	0.0736		mg/L		98	75 - 125

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

Lab Sample ID: 280-178580-B-1-B MS ^10
Matrix: Water
Analysis Batch: 633291

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 633059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0018	U	0.0500	0.0474		mg/L		95	75 - 125
Boron	0.40		0.100	0.539	J3	mg/L		141	75 - 125
Cadmium	0.0013	U	0.0500	0.0521		mg/L		104	75 - 125
Calcium	140	L	5.00	147	L	mg/L		120	75 - 125
Chromium	0.0020	U	0.0500	0.0529		mg/L		106	75 - 125
Cobalt	0.0011	U	0.0500	0.0505		mg/L		101	75 - 125
Lead	0.0016	U	0.0500	0.0535		mg/L		107	75 - 125
Lithium	0.079		0.0500	0.125		mg/L		94	75 - 125
Molybdenum	0.0085	I	0.0500	0.0630		mg/L		109	75 - 125
Selenium	0.010	V	0.0500	0.0550		mg/L		90	75 - 125
Thallium	0.00092	U	0.0100	0.0105		mg/L		105	75 - 125

Lab Sample ID: 280-178580-B-1-C MSD ^10
Matrix: Water
Analysis Batch: 633291

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 633059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0030	U	0.0500	0.0555		mg/L		111	75 - 125	1	20
Arsenic	0.0024	U	0.0500	0.0501		mg/L		100	75 - 125	0	20
Barium	0.025		0.0500	0.0798		mg/L		110	75 - 125	8	20
Beryllium	0.0018	U	0.0500	0.0484		mg/L		97	75 - 125	2	20
Boron	0.40		0.100	0.509		mg/L		112	75 - 125	6	20
Cadmium	0.0013	U	0.0500	0.0508		mg/L		102	75 - 125	3	20
Calcium	140	L	5.00	150	L J3	mg/L		169	75 - 125	2	20
Chromium	0.0020	U	0.0500	0.0532		mg/L		106	75 - 125	1	20
Cobalt	0.0011	U	0.0500	0.0491		mg/L		98	75 - 125	3	20
Lead	0.0016	U	0.0500	0.0540		mg/L		108	75 - 125	1	20
Lithium	0.079		0.0500	0.126		mg/L		95	75 - 125	0	20
Molybdenum	0.0085	I	0.0500	0.0635		mg/L		110	75 - 125	1	20
Selenium	0.010	V	0.0500	0.0596		mg/L		99	75 - 125	8	20
Thallium	0.00092	U	0.0100	0.0100		mg/L		100	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-621295/14-A
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621295

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/18/23 10:30	04/18/23 13:53	1

Lab Sample ID: LCS 400-621295/15-A
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00100		mg/L		99	80 - 120

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

Lab Sample ID: 400-236200-A-2-B MS
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00196		mg/L		97	80 - 120

Lab Sample ID: 400-236200-A-2-C MSD
Matrix: Water
Analysis Batch: 621343

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 621295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00187		mg/L		93	80 - 120	5	20

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

Lab Sample ID: MB 400-620901/1
Matrix: Water
Analysis Batch: 620901

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/14/23 12:59	1

Lab Sample ID: LCS 400-620901/2
Matrix: Water
Analysis Batch: 620901

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	293	256		mg/L		87	78 - 122

Lab Sample ID: 400-235885-D-3 DU
Matrix: Water
Analysis Batch: 620901

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	78		72.0	J3	mg/L		8	5

Lab Sample ID: MB 400-620910/1
Matrix: Water
Analysis Batch: 620910

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/14/23 13:12	1

Lab Sample ID: LCS 400-620910/2
Matrix: Water
Analysis Batch: 620910

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	293	244		mg/L		83	78 - 122

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

Lab Sample ID: 400-235962-1 DU
Matrix: Water
Analysis Batch: 620910

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		960	J3	mg/L		16	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-621921/13
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:23	1

Lab Sample ID: MB 400-621921/44
Matrix: Water
Analysis Batch: 621921

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			04/22/23 19:39	1

Lab Sample ID: LCS 400-621921/45
Matrix: Water
Analysis Batch: 621921

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	45.6		mg/L		91	90 - 110

Lab Sample ID: MRL 400-621921/15
Matrix: Water
Analysis Batch: 621921

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.36	I	mg/L		68	50 - 150

Lab Sample ID: 400-235962-11 MS
Matrix: Water
Analysis Batch: 621921

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	U	10.0	9.66		mg/L		97	73 - 120

Lab Sample ID: 400-235962-11 MSD
Matrix: Water
Analysis Batch: 621921

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	U	10.0	9.05		mg/L		91	73 - 120	6	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-621299/10
Matrix: Water
Analysis Batch: 621299

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			04/18/23 12:52	1

Lab Sample ID: LCS 400-621299/12
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.05		mg/L		101	90 - 110

Lab Sample ID: MRL 400-621299/11
Matrix: Water
Analysis Batch: 621299

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0949	I	mg/L		95	

Lab Sample ID: 400-235780-B-7 MS
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.070	U	0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 400-235780-B-7 MSD
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.107		mg/L		107	75 - 125	4	4

Lab Sample ID: 400-235962-10 DU
Matrix: Water
Analysis Batch: 621299

Client Sample ID: EB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.070	U	0.070	U	mg/L		NC	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-623794/12
Matrix: Water
Analysis Batch: 623794

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/06/23 18:17	1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 400-623794/13
Matrix: Water
Analysis Batch: 623794

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.8		mg/L		99	90 - 110		

Lab Sample ID: MRL 400-623794/14
Matrix: Water
Analysis Batch: 623794

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.24	I	mg/L		85	50 - 150		

Lab Sample ID: 400-235804-B-5 MS
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1.4	U	10.0	10.2		mg/L		102	77 - 128		

Lab Sample ID: 400-235804-B-5 MSD
Matrix: Water
Analysis Batch: 623794

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	10.1		mg/L		101	77 - 128	1	5

Lab Sample ID: 400-235962-6 MS
Matrix: Water
Analysis Batch: 623794

Client Sample ID: MW2032/GE-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	2.2	I	10.0	11.5		mg/L		92	77 - 128		

Lab Sample ID: 400-235962-6 MSD
Matrix: Water
Analysis Batch: 623794

Client Sample ID: MW2032/GE-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	2.2	I	10.0	11.6		mg/L		94	77 - 128	1	5

Lab Sample ID: MB 400-623835/12
Matrix: Water
Analysis Batch: 623835

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/07/23 13:24	1

Lab Sample ID: LCS 400-623835/13
Matrix: Water
Analysis Batch: 623835

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	16.4		mg/L		109	90 - 110		

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MRL 400-623835/14
Matrix: Water
Analysis Batch: 623835

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	6.03		mg/L		121	50 - 150		

Lab Sample ID: 400-235962-2 MS
Matrix: Water
Analysis Batch: 623835

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	11		10.0	22.5		mg/L		114	77 - 128		

Lab Sample ID: 400-235962-2 MSD
Matrix: Water
Analysis Batch: 623835

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	11		10.0	22.5		mg/L		113	77 - 128	0	5

Lab Sample ID: MB 400-623940/12
Matrix: Water
Analysis Batch: 623940

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			05/08/23 12:21	1

Lab Sample ID: LCS 400-623940/13
Matrix: Water
Analysis Batch: 623940

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	16.1		mg/L		107	90 - 110		

Lab Sample ID: MRL 400-623940/14
Matrix: Water
Analysis Batch: 623940

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	5.42		mg/L		108	50 - 150		

Lab Sample ID: 400-236981-I-3 MS
Matrix: Water
Analysis Batch: 623940

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	53		50.0	52.5	J3	mg/L		-1	77 - 128		

Lab Sample ID: 400-236981-I-3 MSD
Matrix: Water
Analysis Batch: 623940

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	53		50.0	51.5	J3	mg/L		-3	77 - 128	2	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer / Todd Voreis	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119424-23631.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235962 COC

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
				Preservation Code:			D	N	N	D	N	N		
PZ-200S	4-12-23	1514	G	Water	NO		X	X	X	X	X	X	3	
PZ-200D	4-12-23	1556	G	Water	NO		X	X	X	X	X	X	3	
GSA-2S	4-12-23	1317	G	Water	NO		X	X	X	X	X	X	3	
PZ-201D	4-12-23	1336	G	Water	NO		X	X	X	X	X	X	3	
PZ-203D	4-12-23	0943	G	Water	NO		X	X	X	X	X	X	3	
MW2032/GE-1D	4-12-23	1135	G	Water	NO		X	X	X	X	X	X	3	
DUP-05	4-12-23	1035	G	Water	NO		X	X		X	X	X	3	
EB-03	4-12-23	0847	G	water	NO		X	X		X	X	X	3	
FB-03	4-12-23	0840	G	water	NO		X	X		X	X	X	3	
EB-04	4-12-23	1406	G	water	NO		X	X		X	X	X	3	
FB-04	4-12-23	1410	G	water	NO		X	X		X	X	X	3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) level II Reports and Associated EDDS

Special Instructions/QC Requirements: ADaPT Files Requested

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4-12-23 1550	Company: RDH ENV.	Received by: Todd Voreis [signature]	Date/Time: 12APR23 1550	Company: RDH ENV
Relinquished by: Todd Voreis [signature]	Date/Time: 12APR23 1653	Company: RDH ENV	Received by: [signature]	Date/Time: 4-12-23 1653	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: 1.2 0.0 1.6 4.8 3.2 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235962-1
SDG Number: GSA Delineation Sampling

Login Number: 235962
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C 4.8° 3.2°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-1
SDG: GSA Delineation Sampling

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	09-01-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER GSA Delineation Sampling

JOB NUMBER

400-235962-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

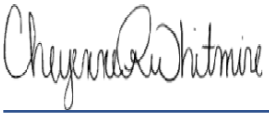
myEOL

Job Notes

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

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

Authorization



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Authorized for release by
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(850)471-6222

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Job ID: 400-235962-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235962-2

Receipt
The samples were received on 4/12/2023 4:53 PM. 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 0.0°C, 1.2°C, 1.6°C, 3.2°C and 4.8°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 Prep Batch 160-608529. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-200S (400-235962-1), PZ-200D (400-235962-2), GSA-2S (400-235962-3), PZ-201D (400-235962-4), PZ-203D (400-235962-5), MW2032/GE-1D (400-235962-6), DUP-05 (400-235962-7), EB-03 (400-235962-8), FB-03 (400-235962-9), EB-04 (400-235962-10) and FB-04 (400-235962-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315_Ra226: Radium-226 batch 608529. 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.PZ-200S (400-235962-1), PZ-200D (400-235962-2), GSA-2S (400-235962-3), PZ-201D (400-235962-4), PZ-203D (400-235962-5), MW2032/GE-1D (400-235962-6), DUP-05 (400-235962-7), EB-03 (400-235962-8), FB-03 (400-235962-9), EB-04 (400-235962-10), FB-04 (400-235962-11), (LCS 160-608529/2-A), (LCSD 160-608529/3-A) and (MB 160-608529/1-A)

Method 9320_Ra228: Radium-228 Prep Batch 160-608618. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-200S (400-235962-1), PZ-200D (400-235962-2), GSA-2S (400-235962-3), PZ-201D (400-235962-4), PZ-203D (400-235962-5), MW2032/GE-1D (400-235962-6), DUP-05 (400-235962-7), EB-03 (400-235962-8), FB-03 (400-235962-9), EB-04 (400-235962-10) and FB-04 (400-235962-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320_Ra228: Radium-228 batch 608618. 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.PZ-200S (400-235962-1), PZ-200D (400-235962-2), GSA-2S (400-235962-3), PZ-201D (400-235962-4), PZ-203D (400-235962-5), MW2032/GE-1D (400-235962-6), DUP-05 (400-235962-7), EB-03 (400-235962-8), FB-03 (400-235962-9), EB-04 (400-235962-10), FB-04 (400-235962-11), (LCS 160-608618/2-A), (LCSD 160-608618/3-A) and (MB 160-608618/1-A)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235962-1	PZ-200S	Water	04/12/23 15:14	04/12/23 16:53
400-235962-2	PZ-200D	Water	04/12/23 15:56	04/12/23 16:53
400-235962-3	GSA-2S	Water	04/12/23 13:17	04/12/23 16:53
400-235962-4	PZ-201D	Water	04/12/23 13:36	04/12/23 16:53
400-235962-5	PZ-203D	Water	04/12/23 09:43	04/12/23 16:53
400-235962-6	MW2032/GE-1D	Water	04/12/23 11:35	04/12/23 16:53
400-235962-7	DUP-05	Water	04/12/23 10:35	04/12/23 16:53
400-235962-8	EB-03	Water	04/12/23 08:47	04/12/23 16:53
400-235962-9	FB-03	Water	04/12/23 08:40	04/12/23 16:53
400-235962-10	EB-04	Water	04/12/23 14:06	04/12/23 16:53
400-235962-11	FB-04	Water	04/12/23 14:10	04/12/23 16:53

Client Sample ID: PZ-200S

Date Collected: 04/12/23 15:14
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.61		0.737	1.07	1.00	0.200	pCi/L	04/24/23 12:43	05/16/23 07:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.55		0.989	1.32	1.00	0.534	pCi/L	04/24/23 13:19	05/13/23 23:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*
Y Carrier	*88.2*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	18.2		1.23	1.70	5.00	0.534	pCi/L		05/16/23 10:23	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200D

Date Collected: 04/12/23 15:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.185	U	0.136	0.137	1.00	0.191	pCi/L	04/24/23 12:43	05/16/23 07:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.502**		0.335	0.338	1.00	0.500	pCi/L	04/24/23 13:19	05/13/23 23:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*
Y Carrier	*88.2*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.687**		0.362	0.365	5.00	0.500	pCi/L		05/16/23 10:23	1

Client Sample ID: GSA-2S

Date Collected: 04/12/23 13:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.36		0.308	0.331	1.00	0.214	pCi/L	04/24/23 12:43	05/16/23 07:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.0*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.26		0.669	0.733	1.00	0.645	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.0*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*83.4*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.62		0.736	0.804	5.00	0.645	pCi/L		05/16/23 10:23	1

Client Sample ID: PZ-201D

Date Collected: 04/12/23 13:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.234		0.143	0.145	1.00	0.183	pCi/L	04/24/23 12:43	05/16/23 07:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.960		0.378	0.388	1.00	0.467	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*88.2*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.19		0.404	0.414	5.00	0.467	pCi/L		05/16/23 10:23	1

Client Sample ID: PZ-203D

Date Collected: 04/12/23 09:43
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0625	U	0.0902	0.0904	1.00	0.154	pCi/L	04/24/23 12:43	05/16/23 07:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.103	U	0.280	0.280	1.00	0.499	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*86.4*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.166	U	0.294	0.294	5.00	0.499	pCi/L		05/16/23 10:23	1

Client Sample ID: MW2032/GE-1D

Date Collected: 04/12/23 11:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.524		0.195	0.200	1.00	0.200	pCi/L	04/24/23 12:43	05/16/23 07:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.97		0.493	0.525	1.00	0.535	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*87.1*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.49		0.530	0.562	5.00	0.535	pCi/L		05/16/23 10:23	1

Client Sample ID: DUP-05

Date Collected: 04/12/23 10:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.426		0.177	0.181	1.00	0.181	pCi/L	04/24/23 12:43	05/16/23 07:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.72		0.489	0.514	1.00	0.559	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*87.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.14		0.520	0.545	5.00	0.559	pCi/L		05/16/23 10:23	1

Client Sample ID: EB-03

Date Collected: 04/12/23 08:47
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0668	U	0.0712	0.0714	1.00	0.193	pCi/L	04/24/23 12:43	05/16/23 07:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.947**		0.362	0.372	1.00	0.450	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*89.3*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.880**		0.369	0.379	5.00	0.450	pCi/L		05/16/23 10:23	1

Client Sample ID: FB-03

Date Collected: 04/12/23 08:40
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0610	U	0.112	0.112	1.00	0.199	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.399	U	0.292	0.295	1.00	0.439	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*88.2*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.460**		0.313	0.316	5.00	0.439	pCi/L		05/16/23 10:23	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Client Sample ID: EB-04

Date Collected: 04/12/23 14:06
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0342	U	0.129	0.129	1.00	0.243	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.276	U	0.323	0.324	1.00	0.532	pCi/L	04/24/23 13:19	05/13/23 23:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.310	U	0.348	0.349	5.00	0.532	pCi/L		05/16/23 10:23	1

Client Sample ID: FB-04

Date Collected: 04/12/23 14:10
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0774	U	0.0974	0.0976	1.00	0.237	pCi/L	04/24/23 12:43	05/16/23 07:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.590**		0.351	0.355	1.00	0.509	pCi/L	04/24/23 13:19	05/13/23 23:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:54*	*1*
Y Carrier	*87.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.512**		0.364	0.368	5.00	0.509	pCi/L		05/16/23 10:23	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

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.
¤	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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S
Date Collected: 04/12/23 15:14
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:12
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611456	FLC	EET SL	05/13/23 23:50
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: PZ-200D
Date Collected: 04/12/23 15:56
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:12
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611456	FLC	EET SL	05/13/23 23:50
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: GSA-2S
Date Collected: 04/12/23 13:17
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:12
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: PZ-201D
Date Collected: 04/12/23 13:36
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:13
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-203D
Date Collected: 04/12/23 09:43
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:14
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: MW2032/GE-1D
Date Collected: 04/12/23 11:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:14
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: DUP-05
Date Collected: 04/12/23 10:35
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611700	FLC	EET SL	05/16/23 07:14
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: EB-03
Date Collected: 04/12/23 08:47
Date Received: 04/12/23 16:53

Lab Sample ID: 400-235962-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:17
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Client Sample ID: FB-03

Lab Sample ID: 400-235962-9
Date Collected: 04/12/23 08:40
Matrix: Water
Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: EB-04

Lab Sample ID: 400-235962-10
Date Collected: 04/12/23 14:06
Matrix: Water
Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:53
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Client Sample ID: FB-04

Lab Sample ID: 400-235962-11
Date Collected: 04/12/23 14:10
Matrix: Water
Date Received: 04/12/23 16:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			608529	KAC	EET SL	04/24/23 12:43
Total/NA	Analysis	9315		1	611701	FLC	EET SL	05/16/23 07:18
Total/NA	Prep	PrecSep_0			608618	KAC	EET SL	04/24/23 13:19
Total/NA	Analysis	9320		1	611455	FLC	EET SL	05/13/23 23:54
Total/NA	Analysis	Ra226_Ra228		1	611705	EMH	EET SL	05/16/23 10:23

Laboratory References:

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

Rad

Prep Batch: 608529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	PrecSep-21	
400-235962-2	PZ-200D	Total/NA	Water	PrecSep-21	
400-235962-3	GSA-2S	Total/NA	Water	PrecSep-21	
400-235962-4	PZ-201D	Total/NA	Water	PrecSep-21	
400-235962-5	PZ-203D	Total/NA	Water	PrecSep-21	
400-235962-6	MW2032/GE-1D	Total/NA	Water	PrecSep-21	
400-235962-7	DUP-05	Total/NA	Water	PrecSep-21	
400-235962-8	EB-03	Total/NA	Water	PrecSep-21	
400-235962-9	FB-03	Total/NA	Water	PrecSep-21	
400-235962-10	EB-04	Total/NA	Water	PrecSep-21	
400-235962-11	FB-04	Total/NA	Water	PrecSep-21	
MB 160-608529/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-608529/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-608529/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 608618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235962-1	PZ-200S	Total/NA	Water	PrecSep_0	
400-235962-2	PZ-200D	Total/NA	Water	PrecSep_0	
400-235962-3	GSA-2S	Total/NA	Water	PrecSep_0	
400-235962-4	PZ-201D	Total/NA	Water	PrecSep_0	
400-235962-5	PZ-203D	Total/NA	Water	PrecSep_0	
400-235962-6	MW2032/GE-1D	Total/NA	Water	PrecSep_0	
400-235962-7	DUP-05	Total/NA	Water	PrecSep_0	
400-235962-8	EB-03	Total/NA	Water	PrecSep_0	
400-235962-9	FB-03	Total/NA	Water	PrecSep_0	
400-235962-10	EB-04	Total/NA	Water	PrecSep_0	
400-235962-11	FB-04	Total/NA	Water	PrecSep_0	
MB 160-608618/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-608618/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-608618/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-608529/1-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608529

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05512	U	0.0938	0.0940	1.00	0.166	pCi/L	04/24/23 12:43	05/16/23 07:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/24/23 12:43*	*05/16/23 07:10*	*1*

Lab Sample ID: LCS 160-608529/2-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608529

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.855		1.14	1.00	0.242	pCi/L	87	75 - 113		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.2*		*30 - 110*

Lab Sample ID: LCSD 160-608529/3-A
Matrix: Water
Analysis Batch: 611700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608529

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	11.46		1.30	1.00	0.209	pCi/L	101	75 - 113	0.65	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-608618/1-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608618

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7596		0.367	0.374	1.00	0.507	pCi/L	04/24/23 13:19	05/13/23 23:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/24/23 13:19*	*05/13/23 23:50*	*1*

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

Lab Sample ID: LCS 160-608618/2-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608618

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.96	9.393		1.24	1.00	0.459	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.2*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

Lab Sample ID: LCSD 160-608618/3-A
Matrix: Water
Analysis Batch: 611456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608618

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.96	9.689		1.29	1.00	0.486	pCi/L	122	75 - 125	0.12	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*
Y Carrier	*88.2*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rick Hagendorfer / Todd Voreis	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-119424-23631.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-235962 COC

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
PZ-200S	4-12-23	1514	G	Water	NO		X	X	X	X	X	X	3	
PZ-200D	4-12-23	1556	G	Water	NO		X	X	X	X	X	X	3	
GSA-2S	4-12-23	1317	G	Water	NO		X	X	X	X	X	X	3	
PZ-201D	4-12-23	1336	G	Water	NO		X	X	X	X	X	X	3	
PZ-203D	4-12-23	0943	G	Water	NO		X	X	X	X	X	X	3	
MW2032/GE-1D	4-12-23	1135	G	Water	NO		X	X	X	X	X	X	3	
DUP-05	4-12-23	1035	G	Water	NO		X	X		X	X	X	3	
EB-03	4-12-23	0847	G	water	NO		X	X		X	X	X	3	
FB-03	4-12-23	0840	G	water	NO		X	X		X	X	X	3	
EB-04	4-12-23	1406	G	water	NO		X	X		X	X	X	3	
FB-04	4-12-23	1410	G	water	NO		X	X		X	X	X	3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) level II Reports and Associated EDDS

Special Instructions/QC Requirements: ADaPT Files Requested

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4-12-23 1550	Company: RDH ENV.	Received by: Todd Voreis [signature]	Date/Time: 12APR23 1550	Company: RDH ENV
Relinquished by: Todd Voreis [signature]	Date/Time: 12APR23 1653	Company: RDH ENV	Received by: [signature]	Date/Time: 4-12-23 1653	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: 1.2 0.0 1.6 4.8
3.2 IR8

Ver: 06/08/2021

5/18/2023

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235962-2
SDG Number: GSA Delineation Sampling

Login Number: 235962
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 1.2°C, 1.6°C 4.8° 3.2°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-235962-2
SDG Number: GSA Delineation Sampling

Login Number: 235962
List Number: 2
Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis
List Creation: 04/14/23 01:46 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	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-235962-2
SDG: GSA Delineation Sampling

Laboratory: Eurofins St. Louis

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

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

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

Low-Flow Test Report:

Test Date / Time: 9/1/2023 2:37:36 PM
Project: GCEC CCR MW-100
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-100 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 109 ft** **Total Depth: 119 ft** **Initial Depth to Water: 91.03 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 114 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Thunderstorms, 77 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 2:37 PM	00:00	4.48 pH	25.92 °C	60.57 µS/cm	7.62 mg/L		149.2 mV	91.03 ft	400.00 ml/min
9/1/2023 2:42 PM	05:00	4.69 pH	21.45 °C	39.13 µS/cm	8.41 mg/L	2.91 NTU	121.1 mV	91.15 ft	400.00 ml/min
9/1/2023 2:47 PM	10:00	4.73 pH	20.04 °C	40.31 µS/cm	8.74 mg/L	1.58 NTU	164.5 mV	91.15 ft	400.00 ml/min
9/1/2023 2:52 PM	15:00	4.73 pH	20.02 °C	40.22 µS/cm	8.72 mg/L	1.22 NTU	165.8 mV	91.15 ft	400.00 ml/min
9/1/2023 2:57 PM	20:00	4.75 pH	20.00 °C	40.20 µS/cm	8.70 mg/L	0.91 NTU	165.2 mV	91.15 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-100	Sample time 1503

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/1/2023 11:25:40 AM
Project: GCEC CCR MW-101
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-101 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 108.1 ft** **Total Depth: 118.1 ft** **Initial Depth to Water: 97.23 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 113.1 ft** **Estimated Total Volume Pumped: 24000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Light rain 81

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 11:25 AM	00:00	4.96 pH	25.62 °C	23.00 µS/cm	8.95 mg/L		113.0 mV	97.23 ft	400.00 ml/min
9/1/2023 11:30 AM	05:00	4.87 pH	23.10 °C	23.02 µS/cm	8.80 mg/L	0.93 NTU	116.6 mV	97.29 ft	400.00 ml/min
9/1/2023 11:35 AM	10:00	4.89 pH	22.95 °C	23.06 µS/cm	8.58 mg/L	0.60 NTU	104.2 mV	97.29 ft	400.00 ml/min
9/1/2023 11:40 AM	15:00	4.89 pH	23.16 °C	22.98 µS/cm	8.43 mg/L	0.48 NTU	101.9 mV	97.29 ft	400.00 ml/min
9/1/2023 11:45 AM	20:00	4.89 pH	23.25 °C	22.90 µS/cm	8.38 mg/L	0.33 NTU	108.8 mV	97.29 ft	400.00 ml/min
9/1/2023 11:50 AM	25:00	4.88 pH	23.04 °C	23.01 µS/cm	8.59 mg/L	0.31 NTU	100.8 mV	97.29 ft	400.00 ml/min
9/1/2023 11:55 AM	30:00	4.88 pH	23.15 °C	23.06 µS/cm	8.73 mg/L	0.27 NTU	99.4 mV	97.29 ft	400.00 ml/min
9/1/2023 12:00 PM	35:00	4.87 pH	22.82 °C	23.01 µS/cm	8.70 mg/L	0.28 NTU	107.3 mV	97.29 ft	400.00 ml/min
9/1/2023 12:05 PM	40:00	4.87 pH	22.80 °C	23.11 µS/cm	8.71 mg/L	0.35 NTU	99.3 mV	97.29 ft	400.00 ml/min
9/1/2023 12:10 PM	45:00	4.87 pH	22.75 °C	23.07 µS/cm	8.48 mg/L	0.23 NTU	98.4 mV	97.29 ft	400.00 ml/min
9/1/2023 12:15 PM	50:00	4.86 pH	22.80 °C	23.04 µS/cm	8.37 mg/L	0.24 NTU	98.0 mV	97.29 ft	400.00 ml/min
9/1/2023 12:20 PM	55:00	4.87 pH	22.85 °C	23.23 µS/cm	8.42 mg/L	0.21 NTU	104.6 mV	97.29 ft	400.00 ml/min
9/1/2023 12:25 PM	01:00:00	4.86 pH	22.71 °C	23.05 µS/cm	8.31 mg/L	0.25 NTU	98.5 mV	97.29 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-101	Sample time 1230

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/1/2023 8:41:49 AM
Project: GCEC CCR MW-107
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-107 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 114 ft** **Total Depth: 124 ft** **Initial Depth to Water: 102.66 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 119 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Started raining. Light rain.

Weather Conditions:
Cloudy drizzle 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 8:41 AM	00:00	5.73 pH	25.28 °C	27.86 µS/cm	8.55 mg/L		69.3 mV	102.66 ft	400.00 ml/min
9/1/2023 8:46 AM	05:00	4.97 pH	23.24 °C	24.28 µS/cm	8.56 mg/L	36.30 NTU	65.9 mV	102.78 ft	400.00 ml/min
9/1/2023 8:51 AM	10:00	4.90 pH	23.18 °C	23.98 µS/cm	8.80 mg/L	14.10 NTU	66.1 mV	102.79 ft	400.00 ml/min
9/1/2023 8:56 AM	15:00	4.89 pH	23.21 °C	23.86 µS/cm	8.60 mg/L	5.13 NTU	65.6 mV	102.79 ft	400.00 ml/min
9/1/2023 9:01 AM	20:00	4.85 pH	23.08 °C	23.81 µS/cm	8.85 mg/L	3.39 NTU	70.2 mV	102.79 ft	400.00 ml/min
9/1/2023 9:06 AM	25:00	4.88 pH	23.31 °C	23.96 µS/cm	8.89 mg/L	2.81 NTU	67.9 mV	102.79 ft	400.00 ml/min
9/1/2023 9:11 AM	30:00	4.86 pH	23.16 °C	23.83 µS/cm	8.88 mg/L	2.59 NTU	68.6 mV	102.79 ft	400.00 ml/min
9/1/2023 9:16 AM	35:00	4.87 pH	23.16 °C	23.89 µS/cm	9.00 mg/L	1.97 NTU	71.3 mV	102.79 ft	400.00 ml/min
9/1/2023 9:21 AM	40:00	4.84 pH	23.11 °C	23.82 µS/cm	8.88 mg/L	1.39 NTU	71.0 mV	102.79 ft	400.00 ml/min
9/1/2023 9:26 AM	45:00	4.85 pH	23.10 °C	23.74 µS/cm	8.68 mg/L	1.36 NTU	73.9 mV	102.79 ft	400.00 ml/min
9/1/2023 9:31 AM	50:00	4.84 pH	23.28 °C	23.74 µS/cm	8.95 mg/L	1.02 NTU	72.2 mV	102.79 ft	400.00 ml/min
9/1/2023 9:36 AM	55:00	4.84 pH	23.22 °C	23.62 µS/cm	8.71 mg/L	0.71 NTU	72.8 mV	102.79 ft	400.00 ml/min
9/1/2023 9:41 AM	01:00:00	4.85 pH	23.22 °C	23.70 µS/cm	8.66 mg/L	0.92 NTU	73.1 mV	102.79 ft	400.00 ml/min

9/1/2023 9:46 AM	01:05:00	4.86 pH	23.24 °C	23.74 µS/cm	8.97 mg/L	0.98 NTU	76.7 mV	102.79 ft	400.00 ml/min
9/1/2023 9:51 AM	01:10:00	4.86 pH	23.34 °C	23.60 µS/cm	8.91 mg/L	0.94 NTU	78.1 mV	102.79 ft	400.00 ml/min
9/1/2023 9:56 AM	01:15:00	4.85 pH	23.07 °C	23.64 µS/cm	8.94 mg/L	0.92 NTU	79.8 mV	102.79 ft	400.00 ml/min
9/1/2023 10:01 AM	01:20:00	4.85 pH	23.16 °C	23.78 µS/cm	8.90 mg/L	0.88 NTU	77.5 mV	102.79 ft	400.00 ml/min
9/1/2023 10:06 AM	01:25:00	4.85 pH	23.18 °C	23.78 µS/cm	9.08 mg/L	0.87 NTU	77.6 mV	102.79 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-107	Sample time 1012

Low-Flow Test Report:

Test Date / Time: 9/1/2023 2:12:00 PM
Project: GCEC CCR MW-108
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-108 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 88 ft** **Total Depth: 98 ft** **Initial Depth to Water: 71.05 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 93 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.96 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Rain 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 2:12 PM	00:00	6.94 pH	25.64 °C	85.87 µS/cm	7.28 mg/L		133.5 mV	71.05 ft	400.00 ml/min
9/1/2023 2:17 PM	05:00	4.79 pH	22.88 °C	41.62 µS/cm	8.64 mg/L	3.67 NTU	99.3 mV	72.01 ft	400.00 ml/min
9/1/2023 2:22 PM	10:00	4.77 pH	22.66 °C	41.65 µS/cm	8.57 mg/L	3.25 NTU	97.2 mV	72.01 ft	400.00 ml/min
9/1/2023 2:27 PM	15:00	4.79 pH	22.53 °C	41.45 µS/cm	8.46 mg/L	1.62 NTU	106.6 mV	72.01 ft	400.00 ml/min
9/1/2023 2:32 PM	20:00	4.80 pH	22.58 °C	41.23 µS/cm	8.34 mg/L	1.37 NTU	96.4 mV	72.01 ft	400.00 ml/min
9/1/2023 2:37 PM	25:00	4.80 pH	22.53 °C	41.68 µS/cm	8.28 mg/L	1.08 NTU	95.7 mV	72.01 ft	400.00 ml/min
9/1/2023 2:42 PM	30:00	4.81 pH	22.56 °C	41.91 µS/cm	8.22 mg/L	0.74 NTU	94.8 mV	72.01 ft	400.00 ml/min
9/1/2023 2:47 PM	35:00	4.81 pH	22.53 °C	41.56 µS/cm	8.21 mg/L	0.55 NTU	94.5 mV	72.01 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-108	Sample time 1453
FB-01	Sample time 1340

EB-01	Sample time 1348

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/1/2023 8:37:17 AM
Project: GCEC CCR MW-306
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-306 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 83 ft** **Total Depth: 93 ft** **Initial Depth to Water: 56.31 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 88 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Isolated thunderstorms, 81 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 8:37 AM	00:00	5.59 pH	26.54 °C	27.26 µS/cm	7.60 mg/L		78.3 mV	56.31 ft	400.00 ml/min
9/1/2023 8:42 AM	05:00	5.02 pH	21.47 °C	27.06 µS/cm	8.35 mg/L	11.10 NTU	89.4 mV	56.49 ft	400.00 ml/min
9/1/2023 8:47 AM	10:00	5.00 pH	20.84 °C	27.34 µS/cm	8.47 mg/L	9.43 NTU	97.5 mV	56.49 ft	400.00 ml/min
9/1/2023 8:52 AM	15:00	5.00 pH	19.64 °C	27.97 µS/cm	8.80 mg/L	8.89 NTU	146.9 mV	56.49 ft	400.00 ml/min
9/1/2023 8:57 AM	20:00	4.99 pH	19.67 °C	27.89 µS/cm	8.74 mg/L	7.09 NTU	153.1 mV	56.49 ft	400.00 ml/min
9/1/2023 9:02 AM	25:00	5.00 pH	19.75 °C	27.74 µS/cm	8.74 mg/L	5.69 NTU	156.2 mV	56.49 ft	400.00 ml/min
9/1/2023 9:07 AM	30:00	4.99 pH	19.72 °C	27.64 µS/cm	8.73 mg/L	4.90 NTU	158.1 mV	56.49 ft	400.00 ml/min
9/1/2023 9:12 AM	35:00	4.99 pH	19.76 °C	27.62 µS/cm	8.76 mg/L	3.86 NTU	159.7 mV	56.49 ft	400.00 ml/min
9/1/2023 9:17 AM	40:00	4.99 pH	19.67 °C	27.58 µS/cm	8.72 mg/L	3.54 NTU	160.0 mV	56.49 ft	400.00 ml/min
9/1/2023 9:22 AM	45:00	4.99 pH	19.67 °C	27.48 µS/cm	8.72 mg/L	2.82 NTU	160.4 mV	56.49 ft	400.00 ml/min
9/1/2023 9:27 AM	50:00	4.99 pH	19.71 °C	27.51 µS/cm	8.71 mg/L	2.81 NTU	160.3 mV	56.49 ft	400.00 ml/min
9/1/2023 9:32 AM	55:00	4.99 pH	19.81 °C	27.40 µS/cm	8.72 mg/L	1.81 NTU	160.8 mV	56.49 ft	400.00 ml/min
9/1/2023 9:37 AM	01:00:00	4.99 pH	19.78 °C	27.42 µS/cm	8.75 mg/L	2.03 NTU	160.5 mV	56.49 ft	400.00 ml/min

9/1/2023 9:42 AM	01:05:00	4.99 pH	19.76 °C	27.40 µS/cm	8.73 mg/L	2.21 NTU	160.6 mV	56.49 ft	400.00 ml/min
9/1/2023 9:47 AM	01:10:00	5.00 pH	19.84 °C	27.37 µS/cm	8.71 mg/L	1.98 NTU	160.5 mV	56.49 ft	400.00 ml/min
9/1/2023 9:52 AM	01:15:00	4.99 pH	19.87 °C	27.35 µS/cm	8.74 mg/L	1.63 NTU	160.8 mV	56.49 ft	400.00 ml/min
9/1/2023 9:57 AM	01:20:00	4.99 pH	19.85 °C	27.46 µS/cm	8.68 mg/L	1.22 NTU	160.7 mV	56.49 ft	400.00 ml/min
9/1/2023 10:02 AM	01:25:00	4.99 pH	19.80 °C	27.37 µS/cm	8.72 mg/L	1.20 NTU	160.5 mV	56.49 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-306	Sample time 1007

Low-Flow Test Report:

Test Date / Time: 9/1/2023 11:09:42 AM
Project: GCEC CCR MW-307
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-307 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 113 ft** **Total Depth: 123 ft** **Initial Depth to Water: 91.01 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 118 ft** **Estimated Total Volume Pumped: 42000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.95 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Thunderstorms, 80 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2023 11:09 AM	00:00	5.14 pH	25.59 °C	33.11 µS/cm	5.65 mg/L		141.4 mV	91.01 ft	400.00 ml/min
9/1/2023 11:14 AM	05:00	5.10 pH	21.77 °C	34.48 µS/cm	6.09 mg/L	4.93 NTU	142.5 mV	92.00 ft	400.00 ml/min
9/1/2023 11:19 AM	10:00	5.07 pH	20.44 °C	33.24 µS/cm	6.78 mg/L	5.14 NTU	180.4 mV	91.98 ft	400.00 ml/min
9/1/2023 11:24 AM	15:00	5.05 pH	20.38 °C	31.96 µS/cm	7.12 mg/L	3.98 NTU	190.2 mV	91.98 ft	400.00 ml/min
9/1/2023 11:29 AM	20:00	5.04 pH	20.38 °C	31.42 µS/cm	7.37 mg/L	2.46 NTU	193.7 mV	91.98 ft	400.00 ml/min
9/1/2023 11:34 AM	25:00	5.03 pH	20.40 °C	31.82 µS/cm	7.63 mg/L	1.51 NTU	196.0 mV	91.96 ft	400.00 ml/min
9/1/2023 11:39 AM	30:00	5.01 pH	20.38 °C	32.37 µS/cm	7.76 mg/L	1.37 NTU	196.5 mV	91.96 ft	400.00 ml/min
9/1/2023 11:44 AM	35:00	4.99 pH	20.49 °C	32.87 µS/cm	7.88 mg/L	0.97 NTU	195.0 mV	91.96 ft	400.00 ml/min
9/1/2023 11:49 AM	40:00	5.00 pH	20.49 °C	33.20 µS/cm	7.90 mg/L	0.93 NTU	191.3 mV	91.96 ft	400.00 ml/min
9/1/2023 11:54 AM	45:00	5.00 pH	20.41 °C	33.07 µS/cm	8.00 mg/L	0.95 NTU	189.5 mV	91.96 ft	400.00 ml/min
9/1/2023 11:59 AM	50:00	5.00 pH	20.48 °C	33.14 µS/cm	8.04 mg/L	0.88 NTU	187.8 mV	91.96 ft	400.00 ml/min
9/1/2023 12:04 PM	55:00	5.00 pH	20.56 °C	33.32 µS/cm	7.95 mg/L	0.82 NTU	187.1 mV	91.96 ft	400.00 ml/min
9/1/2023 12:09 PM	01:00:00	5.01 pH	20.59 °C	33.07 µS/cm	7.97 mg/L	0.84 NTU	186.3 mV	91.96 ft	400.00 ml/min

9/1/2023 12:14 PM	01:05:00	5.01 pH	20.38 °C	33.24 µS/cm	8.00 mg/L	0.61 NTU	186.0 mV	91.96 ft	400.00 ml/min
9/1/2023 12:19 PM	01:10:00	5.03 pH	20.52 °C	33.46 µS/cm	8.08 mg/L	0.51 NTU	186.3 mV	91.96 ft	400.00 ml/min
9/1/2023 12:24 PM	01:15:00	5.07 pH	20.47 °C	33.39 µS/cm	7.98 mg/L	0.50 NTU	184.3 mV	91.96 ft	400.00 ml/min
9/1/2023 12:29 PM	01:20:00	5.03 pH	20.43 °C	33.38 µS/cm	7.98 mg/L	0.57 NTU	186.2 mV	91.96 ft	400.00 ml/min
9/1/2023 12:34 PM	01:25:00	5.04 pH	20.47 °C	33.19 µS/cm	8.04 mg/L	0.53 NTU	186.5 mV	91.96 ft	400.00 ml/min
9/1/2023 12:39 PM	01:30:00	5.05 pH	20.47 °C	33.66 µS/cm	7.97 mg/L	0.90 NTU	186.4 mV	91.96 ft	400.00 ml/min
9/1/2023 12:44 PM	01:35:00	5.04 pH	20.56 °C	33.59 µS/cm	7.97 mg/L	0.71 NTU	186.7 mV	91.96 ft	400.00 ml/min
9/1/2023 12:49 PM	01:40:00	5.03 pH	20.52 °C	33.53 µS/cm	7.97 mg/L	0.50 NTU	188.0 mV	91.96 ft	400.00 ml/min
9/1/2023 12:54 PM	01:45:00	5.03 pH	20.43 °C	33.42 µS/cm	8.03 mg/L	0.60 NTU	187.9 mV	91.96 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-307	Sample time 1259
DUP-01	Fake sample time 1159

Low-Flow Test Report:

Test Date / Time: 9/8/2023 10:51:12 AM
Project: GCEC CCR MW-200
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-200 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24 ft** **Total Depth: 34 ft** **Initial Depth to Water: 17.62 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 29 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Sunny 86

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 10:51 AM	00:00	6.72 pH	28.83 °C	604.05 µS/cm	1.47 mg/L		131.1 mV	17.62 ft	400.00 ml/min
9/8/2023 10:56 AM	05:00	4.96 pH	24.67 °C	643.16 µS/cm	0.41 mg/L	7.31 NTU	132.2 mV	17.69 ft	400.00 ml/min
9/8/2023 11:01 AM	10:00	4.93 pH	24.42 °C	643.43 µS/cm	0.36 mg/L	6.77 NTU	128.6 mV	17.69 ft	400.00 ml/min
9/8/2023 11:06 AM	15:00	4.92 pH	24.33 °C	641.28 µS/cm	0.34 mg/L	4.23 NTU	127.4 mV	17.69 ft	400.00 ml/min
9/8/2023 11:11 AM	20:00	4.91 pH	24.36 °C	643.99 µS/cm	0.34 mg/L	2.87 NTU	126.3 mV	17.69 ft	400.00 ml/min
9/8/2023 11:16 AM	25:00	4.91 pH	24.50 °C	644.24 µS/cm	0.34 mg/L	2.02 NTU	125.3 mV	17.69 ft	400.00 ml/min
9/8/2023 11:21 AM	30:00	4.91 pH	24.46 °C	643.47 µS/cm	0.34 mg/L	1.70 NTU	124.5 mV	17.69 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-200	Sample time 1126
FB-03	Sample time 1036
EB-03	Sample time 1041

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2023 7:49:38 AM
Project: GCEC CCR MW-201
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-201 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 48.45 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 8000 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: 852546**

Test Notes:

Weather Conditions:
Sunny 74

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 7:49 AM	00:00	4.86 pH	23.47 °C	734.59 µS/cm	2.05 mg/L		145.8 mV	48.45 ft	400.00 ml/min
9/8/2023 7:54 AM	05:00	4.89 pH	23.11 °C	720.00 µS/cm	0.92 mg/L	2.30 NTU	139.6 mV	48.50 ft	400.00 ml/min
9/8/2023 7:59 AM	10:00	4.94 pH	23.11 °C	728.81 µS/cm	0.98 mg/L	1.57 NTU	138.4 mV	48.50 ft	400.00 ml/min
9/8/2023 8:04 AM	15:00	4.90 pH	23.07 °C	710.01 µS/cm	0.91 mg/L	1.08 NTU	136.9 mV	48.50 ft	400.00 ml/min
9/8/2023 8:09 AM	20:00	4.89 pH	23.02 °C	704.69 µS/cm	0.83 mg/L	0.79 NTU	135.5 mV	48.50 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-201	Sample time 0811

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2023 9:02:32 AM
Project: GCEC CCR MW-206
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-206 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38 ft** **Initial Depth to Water: 26.26 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Sunny 79

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 9:02 AM	00:00	4.92 pH	24.69 °C	443.37 µS/cm	0.33 mg/L		137.0 mV	26.26 ft	400.00 ml/min
9/8/2023 9:07 AM	05:00	5.20 pH	23.95 °C	1,313.5 µS/cm	0.22 mg/L	0.29 NTU	152.6 mV	26.32 ft	400.00 ml/min
9/8/2023 9:12 AM	10:00	5.19 pH	23.88 °C	1,313.8 µS/cm	0.18 mg/L	0.31 NTU	149.8 mV	26.32 ft	400.00 ml/min
9/8/2023 9:17 AM	15:00	5.19 pH	23.88 °C	1,316.2 µS/cm	0.16 mg/L	0.23 NTU	147.7 mV	26.32 ft	400.00 ml/min
9/8/2023 9:22 AM	20:00	5.19 pH	23.82 °C	1,318.6 µS/cm	0.15 mg/L	0.21 NTU	146.0 mV	26.32 ft	400.00 ml/min
9/8/2023 9:27 AM	25:00	5.21 pH	23.90 °C	1,329.8 µS/cm	0.15 mg/L	0.19 NTU	145.0 mV	26.32 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-206	Sample time 0933

Low-Flow Test Report:

Test Date / Time: 9/8/2023 12:35:13 PM
Project: GCEC CCR MW-202
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR MW-202 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 51.23 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 55.6 ft** **Estimated Total Volume Pumped: 36000 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: 852546**

Test Notes:
Followed the SOP for partially submerged well screen.

Weather Conditions:
Sunny 91

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 12:35 PM	00:00	5.61 pH	24.78 °C	208.04 µS/cm	0.44 mg/L		95.0 mV	51.23 ft	400.00 ml/min
9/8/2023 12:40 PM	05:00	5.52 pH	23.92 °C	181.90 µS/cm	0.68 mg/L	11.10 NTU	96.8 mV	51.28 ft	400.00 ml/min
9/8/2023 12:45 PM	10:00	5.45 pH	23.91 °C	158.60 µS/cm	0.91 mg/L	6.98 NTU	98.5 mV	51.28 ft	400.00 ml/min
9/8/2023 12:50 PM	15:00	5.41 pH	23.79 °C	147.45 µS/cm	1.00 mg/L	3.61 NTU	102.6 mV	51.28 ft	400.00 ml/min
9/8/2023 12:55 PM	20:00	5.39 pH	23.97 °C	139.90 µS/cm	1.11 mg/L	2.57 NTU	106.6 mV	51.28 ft	400.00 ml/min
9/8/2023 1:00 PM	25:00	5.33 pH	23.92 °C	128.79 µS/cm	1.26 mg/L	1.75 NTU	109.5 mV	51.28 ft	400.00 ml/min
9/8/2023 1:05 PM	30:00	5.31 pH	23.81 °C	123.71 µS/cm	1.28 mg/L	2.02 NTU	114.5 mV	51.28 ft	400.00 ml/min
9/8/2023 1:10 PM	35:00	5.26 pH	23.79 °C	117.63 µS/cm	1.46 mg/L	1.16 NTU	118.8 mV	51.28 ft	400.00 ml/min
9/8/2023 1:15 PM	40:00	5.26 pH	23.71 °C	118.53 µS/cm	1.43 mg/L	0.87 NTU	121.1 mV	51.28 ft	400.00 ml/min
9/8/2023 1:20 PM	45:00	5.28 pH	23.95 °C	124.04 µS/cm	1.32 mg/L	1.29 NTU	121.8 mV	51.28 ft	400.00 ml/min
9/8/2023 1:25 PM	50:00	5.26 pH	23.97 °C	118.03 µS/cm	1.47 mg/L	1.24 NTU	124.2 mV	51.28 ft	400.00 ml/min
9/8/2023 1:30 PM	55:00	5.31 pH	23.83 °C	129.55 µS/cm	1.28 mg/L	0.88 NTU	123.9 mV	51.28 ft	400.00 ml/min
9/8/2023 1:35 PM	01:00:00	5.26 pH	23.95 °C	120.07 µS/cm	1.50 mg/L	0.81 NTU	128.6 mV	51.28 ft	400.00 ml/min

9/8/2023 1:40 PM	01:05:00	5.24 pH	23.79 °C	116.36 µS/cm	1.56 mg/L	0.70 NTU	130.4 mV	51.28 ft	400.00 ml/min
9/8/2023 1:45 PM	01:10:00	5.25 pH	24.01 °C	119.02 µS/cm	1.50 mg/L	0.91 NTU	131.4 mV	51.28 ft	400.00 ml/min
9/8/2023 1:50 PM	01:15:00	5.22 pH	23.98 °C	116.89 µS/cm	1.58 mg/L	0.81 NTU	134.5 mV	51.28 ft	400.00 ml/min
9/8/2023 1:55 PM	01:20:00	5.23 pH	23.55 °C	115.14 µS/cm	1.51 mg/L	0.80 NTU	135.4 mV	51.28 ft	400.00 ml/min
9/8/2023 2:00 PM	01:25:00	5.23 pH	23.64 °C	118.27 µS/cm	1.52 mg/L	0.92 NTU	136.1 mV	51.28 ft	400.00 ml/min
9/8/2023 2:05 PM	01:30:00	5.24 pH	23.64 °C	118.68 µS/cm	1.53 mg/L	0.58 NTU	138.5 mV	51.28 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-202	Sample time 1407

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2023 12:29:45 PM
Project: GCEC CCR MW-203
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-203 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53 ft** **Total Depth: 63 ft** **Initial Depth to Water: 45.11 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 58 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Fair, 91 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 12:29 PM	00:00	5.41 pH	27.45 °C	225.10 µS/cm	1.80 mg/L		127.4 mV	45.11 ft	400.00 ml/min
9/8/2023 12:34 PM	05:00	5.58 pH	22.05 °C	277.33 µS/cm	1.53 mg/L	13.10 NTU	86.8 mV	45.23 ft	400.00 ml/min
9/8/2023 12:39 PM	10:00	5.61 pH	22.69 °C	278.62 µS/cm	1.49 mg/L	6.61 NTU	73.9 mV	45.23 ft	400.00 ml/min
9/8/2023 12:44 PM	15:00	5.63 pH	22.09 °C	283.61 µS/cm	1.46 mg/L	5.66 NTU	68.3 mV	45.23 ft	400.00 ml/min
9/8/2023 12:49 PM	20:00	5.64 pH	21.98 °C	284.71 µS/cm	1.44 mg/L	4.14 NTU	65.1 mV	45.23 ft	400.00 ml/min
9/8/2023 12:54 PM	25:00	5.66 pH	21.92 °C	288.13 µS/cm	1.45 mg/L	2.82 NTU	63.0 mV	45.23 ft	400.00 ml/min
9/8/2023 12:59 PM	30:00	5.67 pH	21.99 °C	290.56 µS/cm	1.45 mg/L	2.15 NTU	61.6 mV	45.23 ft	400.00 ml/min
9/8/2023 1:04 PM	35:00	5.68 pH	21.70 °C	296.20 µS/cm	1.47 mg/L	1.82 NTU	60.5 mV	45.23 ft	400.00 ml/min
9/8/2023 1:09 PM	40:00	5.68 pH	22.37 °C	289.89 µS/cm	1.43 mg/L	1.43 NTU	59.3 mV	45.21 ft	400.00 ml/min
9/8/2023 1:14 PM	45:00	5.69 pH	22.17 °C	293.08 µS/cm	1.45 mg/L	1.49 NTU	58.6 mV	45.21 ft	400.00 ml/min
9/8/2023 1:19 PM	50:00	5.69 pH	22.03 °C	294.04 µS/cm	1.46 mg/L	1.23 NTU	58.0 mV	45.21 ft	400.00 ml/min
9/8/2023 1:24 PM	55:00	5.69 pH	21.97 °C	294.58 µS/cm	1.45 mg/L	1.36 NTU	57.5 mV	45.21 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-203	Sample time 1330

Low-Flow Test Report:

Test Date / Time: 9/8/2023 10:32:24 AM
Project: GCEC CCR MW-204
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-204 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33 ft** **Initial Depth to Water: 13.6 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Sunny, 86 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 10:32 AM	00:00	4.54 pH	28.82 °C	777.91 µS/cm	0.88 mg/L		128.3 mV	13.60 ft	400.00 ml/min
9/8/2023 10:37 AM	05:00	4.41 pH	21.19 °C	890.92 µS/cm	0.16 mg/L	15.00 NTU	129.8 mV	15.37 ft	400.00 ml/min
9/8/2023 10:42 AM	10:00	4.39 pH	21.06 °C	896.77 µS/cm	0.12 mg/L	7.00 NTU	123.5 mV	15.45 ft	400.00 ml/min
9/8/2023 10:47 AM	15:00	4.38 pH	20.68 °C	894.03 µS/cm	0.11 mg/L	2.20 NTU	122.1 mV	15.45 ft	400.00 ml/min
9/8/2023 10:52 AM	20:00	4.38 pH	20.67 °C	897.17 µS/cm	0.10 mg/L	1.26 NTU	129.2 mV	15.63 ft	400.00 ml/min
9/8/2023 10:57 AM	25:00	4.38 pH	20.75 °C	882.73 µS/cm	0.11 mg/L	1.14 NTU	126.2 mV	15.63 ft	400.00 ml/min
9/8/2023 11:02 AM	30:00	4.38 pH	20.74 °C	886.42 µS/cm	0.11 mg/L	0.97 NTU	116.6 mV	15.63 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-204	Sample time 1106

Low-Flow Test Report:

Test Date / Time: 9/8/2023 8:04:44 AM
Project: GCEC CCR MW-205
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-205 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.8 ft** **Total Depth: 32.8 ft** **Initial Depth to Water: 15.95 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 27.8 ft** **Estimated Total Volume Pumped: 28000 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: 994415**

Test Notes:

Weather Conditions:
Mostly cloudy, 76 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/8/2023 8:04 AM	00:00	5.18 pH	23.88 °C	609.23 µS/cm	0.73 mg/L		55.1 mV	15.95 ft	400.00 ml/min
9/8/2023 8:09 AM	05:00	5.14 pH	19.98 °C	629.57 µS/cm	0.76 mg/L	14.40 NTU	52.0 mV	15.98 ft	400.00 ml/min
9/8/2023 8:14 AM	10:00	5.11 pH	20.35 °C	603.53 µS/cm	0.77 mg/L	8.88 NTU	51.7 mV	15.98 ft	400.00 ml/min
9/8/2023 8:19 AM	15:00	5.13 pH	19.96 °C	596.79 µS/cm	0.79 mg/L	4.98 NTU	51.1 mV	15.98 ft	400.00 ml/min
9/8/2023 8:24 AM	20:00	5.16 pH	20.25 °C	581.28 µS/cm	0.84 mg/L	2.83 NTU	51.8 mV	15.98 ft	400.00 ml/min
9/8/2023 8:29 AM	25:00	5.15 pH	19.36 °C	589.63 µS/cm	0.87 mg/L	1.95 NTU	63.9 mV	15.98 ft	400.00 ml/min
9/8/2023 8:34 AM	30:00	5.18 pH	20.71 °C	583.95 µS/cm	0.87 mg/L	0.93 NTU	53.2 mV	15.98 ft	400.00 ml/min
9/8/2023 8:39 AM	35:00	5.19 pH	20.39 °C	585.79 µS/cm	0.89 mg/L	0.88 NTU	53.0 mV	15.98 ft	400.00 ml/min
9/8/2023 8:44 AM	40:00	5.21 pH	20.73 °C	579.67 µS/cm	0.90 mg/L	0.79 NTU	53.5 mV	15.98 ft	400.00 ml/min
9/8/2023 8:49 AM	45:00	5.22 pH	20.11 °C	576.20 µS/cm	0.94 mg/L	0.62 NTU	53.5 mV	15.98 ft	400.00 ml/min
9/8/2023 8:54 AM	50:00	5.20 pH	20.53 °C	578.28 µS/cm	0.92 mg/L	0.47 NTU	54.4 mV	15.98 ft	400.00 ml/min
9/8/2023 8:59 AM	55:00	5.23 pH	20.87 °C	578.60 µS/cm	0.93 mg/L	0.55 NTU	54.9 mV	15.98 ft	400.00 ml/min
9/8/2023 9:04 AM	01:00:00	5.21 pH	20.90 °C	575.04 µS/cm	0.92 mg/L	0.50 NTU	55.0 mV	15.98 ft	400.00 ml/min

9/8/2023 9:09 AM	01:05:00	5.20 pH	20.99 °C	576.02 µS/cm	0.91 mg/L	0.54 NTU	55.0 mV	15.98 ft	400.00 ml/min
9/8/2023 9:14 AM	01:10:00	5.22 pH	20.82 °C	573.95 µS/cm	0.94 mg/L	0.42 NTU	54.8 mV	15.98 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-205	Sample time 0925
DUP-04	Fake sample time 0825

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/13/2023 9:44:34 AM
Project: GCEC CCR PZ-200S
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR PZ-200S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 28.5 ft** **Total Depth: 33.5 ft** **Initial Depth to Water: 6.92 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 18000 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: 852546**

Test Notes:

Weather Conditions:
Sunny 85

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/13/2023 9:44 AM	00:00	4.98 pH	22.94 °C	2,045.0 µS/cm	0.31 mg/L		118.2 mV	6.92 ft	400.00 ml/min
9/13/2023 9:49 AM	05:00	4.95 pH	22.56 °C	2,000.7 µS/cm	0.28 mg/L	29.70 NTU	122.9 mV	6.96 ft	400.00 ml/min
9/13/2023 9:54 AM	10:00	4.96 pH	22.58 °C	2,036.1 µS/cm	0.26 mg/L	17.10 NTU	125.8 mV	6.96 ft	400.00 ml/min
9/13/2023 9:59 AM	15:00	4.97 pH	22.53 °C	2,062.1 µS/cm	0.25 mg/L	13.60 NTU	128.2 mV	6.96 ft	400.00 ml/min
9/13/2023 10:04 AM	20:00	4.97 pH	22.53 °C	2,045.8 µS/cm	0.25 mg/L	6.56 NTU	129.4 mV	6.96 ft	400.00 ml/min
9/13/2023 10:09 AM	25:00	4.97 pH	22.49 °C	2,037.7 µS/cm	0.25 mg/L	4.64 NTU	130.3 mV	6.96 ft	400.00 ml/min
9/13/2023 10:14 AM	30:00	4.97 pH	22.52 °C	2,044.7 µS/cm	0.25 mg/L	2.01 NTU	130.7 mV	6.96 ft	400.00 ml/min
9/13/2023 10:19 AM	35:00	4.98 pH	22.49 °C	2,046.3 µS/cm	0.24 mg/L	1.71 NTU	131.1 mV	6.96 ft	400.00 ml/min
9/13/2023 10:24 AM	40:00	4.97 pH	22.53 °C	2,040.0 µS/cm	0.25 mg/L	1.55 NTU	131.1 mV	6.96 ft	400.00 ml/min
9/13/2023 10:29 AM	45:00	4.98 pH	22.53 °C	2,046.2 µS/cm	0.24 mg/L	1.09 NTU	131.2 mV	6.96 ft	400.00 ml/min

Samples

Sample ID:	Description:

PZ-200S	Sample time 1032

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/13/2023 8:18:09 AM
Project: GCEC CCR PZ-200D
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR PZ-200D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 141.5 ft** **Total Depth: 151.5 ft** **Initial Depth to Water: 6.18 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 146.5 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
Sunny 78

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/13/2023 8:18 AM	00:00	6.17 pH	22.71 °C	101.81 µS/cm	0.35 mg/L		84.3 mV	6.18 ft	400.00 ml/min
9/13/2023 8:23 AM	05:00	6.24 pH	22.79 °C	101.79 µS/cm	0.29 mg/L	5.91 NTU	75.9 mV	6.18 ft	400.00 ml/min
9/13/2023 8:28 AM	10:00	6.27 pH	22.62 °C	101.80 µS/cm	0.25 mg/L	5.32 NTU	70.3 mV	6.18 ft	400.00 ml/min
9/13/2023 8:33 AM	15:00	6.30 pH	22.68 °C	101.73 µS/cm	0.25 mg/L	4.80 NTU	66.4 mV	6.18 ft	400.00 ml/min
9/13/2023 8:38 AM	20:00	6.31 pH	22.71 °C	101.74 µS/cm	0.22 mg/L	4.45 NTU	63.4 mV	6.18 ft	400.00 ml/min
9/13/2023 8:43 AM	25:00	6.33 pH	22.79 °C	101.72 µS/cm	0.21 mg/L	4.89 NTU	60.9 mV	6.18 ft	400.00 ml/min
9/13/2023 8:48 AM	30:00	6.35 pH	22.72 °C	101.44 µS/cm	0.20 mg/L	4.89 NTU	58.9 mV	6.18 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-200D	Sample time 0850

Low-Flow Test Report:

Test Date / Time: 9/13/2023 8:03:50 AM
Project: GCEC CCR GSA-2S
Operator Name: Todd Voreis

Location Name: GCEC CCR GSA-2S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.55 ft** **Total Depth: 54.55 ft** **Initial Depth to Water: 22.49 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 49.5 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: 994415**

Test Notes:

Weather Conditions:
Sunny, 76 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/13/2023 8:03 AM	00:00	4.71 pH	26.36 °C	133.81 µS/cm	2.82 mg/L		103.4 mV	22.49 ft	400.00 ml/min
9/13/2023 8:08 AM	05:00	4.48 pH	19.89 °C	151.61 µS/cm	3.00 mg/L	7.05 NTU	149.1 mV	22.49 ft	400.00 ml/min
9/13/2023 8:13 AM	10:00	4.47 pH	20.85 °C	146.96 µS/cm	2.77 mg/L	4.67 NTU	101.8 mV	22.49 ft	400.00 ml/min
9/13/2023 8:18 AM	15:00	4.46 pH	20.59 °C	151.03 µS/cm	2.73 mg/L	2.10 NTU	100.6 mV	22.49 ft	400.00 ml/min
9/13/2023 8:23 AM	20:00	4.47 pH	20.81 °C	148.77 µS/cm	2.72 mg/L	1.34 NTU	99.4 mV	22.49 ft	400.00 ml/min
9/13/2023 8:28 AM	25:00	4.46 pH	20.89 °C	149.27 µS/cm	2.69 mg/L	1.17 NTU	98.9 mV	22.49 ft	400.00 ml/min
9/13/2023 8:33 AM	30:00	4.47 pH	20.97 °C	150.82 µS/cm	2.68 mg/L	0.85 NTU	98.2 mV	22.49 ft	400.00 ml/min
9/13/2023 8:38 AM	35:00	4.47 pH	20.97 °C	150.54 µS/cm	2.67 mg/L	0.61 NTU	97.4 mV	22.49 ft	400.00 ml/min
9/13/2023 8:43 AM	40:00	4.47 pH	21.04 °C	149.90 µS/cm	2.68 mg/L	0.54 NTU	97.2 mV	22.49 ft	400.00 ml/min

Samples

Sample ID:	Description:
GSA-2S	Sample time 0850

DUP-06	Fake sample time 0750

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/12/2023 2:46:36 PM
Project: GCEC CCR PZ-201D
Operator Name: Rick Hagendorfer

Location Name: GCEC CCR PZ-201D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 184 ft** **Total Depth: 189 ft** **Initial Depth to Water: 45.21 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 186.5 ft** **Estimated Total Volume Pumped: 50000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:

Weather Conditions:
P/C 84

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/12/2023 2:46 PM	00:00	6.40 pH	28.91 °C	105.79 µS/cm	3.02 mg/L		63.9 mV	45.21 ft	400.00 ml/min
9/12/2023 2:51 PM	05:00	6.47 pH	25.73 °C	107.02 µS/cm	1.04 mg/L	26.90 NTU	27.7 mV	45.97 ft	400.00 ml/min
9/12/2023 2:56 PM	10:00	6.51 pH	25.53 °C	105.53 µS/cm	0.92 mg/L	16.50 NTU	16.7 mV	46.06 ft	400.00 ml/min
9/12/2023 3:01 PM	15:00	6.54 pH	25.55 °C	101.11 µS/cm	0.90 mg/L	17.20 NTU	4.4 mV	46.11 ft	400.00 ml/min
9/12/2023 3:06 PM	20:00	6.55 pH	25.51 °C	97.66 µS/cm	0.87 mg/L	13.80 NTU	-4.4 mV	46.18 ft	400.00 ml/min
9/12/2023 3:11 PM	25:00	6.56 pH	25.35 °C	93.60 µS/cm	0.84 mg/L	14.90 NTU	-7.8 mV	46.23 ft	400.00 ml/min
9/12/2023 3:16 PM	30:00	6.54 pH	25.28 °C	90.44 µS/cm	0.81 mg/L	14.70 NTU	-7.4 mV	46.21 ft	400.00 ml/min
9/12/2023 3:21 PM	35:00	6.53 pH	25.19 °C	89.88 µS/cm	0.82 mg/L	12.60 NTU	-7.1 mV	46.22 ft	400.00 ml/min
9/12/2023 3:26 PM	40:00	6.54 pH	25.23 °C	87.68 µS/cm	0.82 mg/L	11.70 NTU	-7.3 mV	46.23 ft	400.00 ml/min
9/12/2023 3:31 PM	45:00	6.53 pH	25.37 °C	87.65 µS/cm	0.84 mg/L	10.70 NTU	-7.4 mV	46.23 ft	400.00 ml/min
9/12/2023 3:36 PM	50:00	6.54 pH	25.51 °C	87.36 µS/cm	0.84 mg/L	10.10 NTU	-7.9 mV	46.23 ft	400.00 ml/min
9/12/2023 3:41 PM	55:00	6.54 pH	25.37 °C	87.70 µS/cm	0.85 mg/L	9.59 NTU	-7.7 mV	46.23 ft	400.00 ml/min
9/12/2023 3:46 PM	01:00:00	6.54 pH	25.46 °C	87.49 µS/cm	0.84 mg/L	9.25 NTU	-7.9 mV	46.23 ft	400.00 ml/min

9/12/2023 3:51 PM	01:05:00	6.55 pH	25.51 °C	86.73 µS/cm	0.84 mg/L	8.11 NTU	-7.6 mV	46.23 ft	400.00 ml/min
9/12/2023 3:56 PM	01:10:00	6.55 pH	25.37 °C	87.29 µS/cm	0.85 mg/L	7.83 NTU	-8.3 mV	46.23 ft	400.00 ml/min
9/12/2023 4:01 PM	01:15:00	6.56 pH	25.01 °C	87.09 µS/cm	0.82 mg/L	7.08 NTU	-7.7 mV	46.23 ft	400.00 ml/min
9/12/2023 4:06 PM	01:20:00	6.55 pH	25.05 °C	86.52 µS/cm	0.82 mg/L	6.93 NTU	-7.2 mV	46.23 ft	400.00 ml/min
9/12/2023 4:11 PM	01:25:00	6.56 pH	25.10 °C	86.94 µS/cm	0.80 mg/L	6.78 NTU	-7.8 mV	46.23 ft	400.00 ml/min
9/12/2023 4:16 PM	01:30:00	6.57 pH	24.90 °C	85.95 µS/cm	0.78 mg/L	6.65 NTU	-7.4 mV	46.23 ft	400.00 ml/min
9/12/2023 4:21 PM	01:35:00	6.56 pH	25.18 °C	86.93 µS/cm	0.76 mg/L	6.49 NTU	-7.6 mV	46.23 ft	400.00 ml/min
9/12/2023 4:26 PM	01:40:00	6.57 pH	25.10 °C	86.99 µS/cm	0.75 mg/L	6.79 NTU	-8.5 mV	46.23 ft	400.00 ml/min
9/12/2023 4:31 PM	01:45:00	6.58 pH	24.86 °C	85.65 µS/cm	0.75 mg/L	6.45 NTU	-8.2 mV	46.23 ft	400.00 ml/min
9/12/2023 4:36 PM	01:50:00	6.57 pH	24.67 °C	86.96 µS/cm	0.75 mg/L	6.28 NTU	-8.6 mV	46.23 ft	400.00 ml/min
9/12/2023 4:41 PM	01:55:00	6.58 pH	25.01 °C	87.50 µS/cm	0.75 mg/L	6.62 NTU	-9.2 mV	46.23 ft	400.00 ml/min
9/12/2023 4:46 PM	02:00:00	6.58 pH	25.05 °C	87.76 µS/cm	0.78 mg/L	6.25 NTU	-9.5 mV	46.23 ft	400.00 ml/min
9/12/2023 4:51 PM	02:05:00	6.58 pH	25.05 °C	87.96 µS/cm	0.80 mg/L	6.23 NTU	-9.4 mV	46.23 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-201D	Sample time 1655

Low-Flow Test Report:

Test Date / Time: 9/12/2023 9:11:03 AM
Project: GCEC CCR PZ-203D
Operator Name: Todd Voreis

Location Name: GCEC CCR PZ-203D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 197.3 ft** **Total Depth: 202.3 ft** **Initial Depth to Water: 8.34 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 199.8 ft** **Estimated Total Volume Pumped: 142000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Partly cloudy, 84 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/12/2023 9:11 AM	00:00	6.68 pH	27.32 °C	60.31 µS/cm	2.07 mg/L		2.2 mV	8.34 ft	400.00 ml/min
9/12/2023 9:16 AM	05:00	6.15 pH	20.40 °C	64.62 µS/cm	0.34 mg/L	6.30 NTU	1.5 mV	8.49 ft	400.00 ml/min
9/12/2023 9:21 AM	10:00	6.06 pH	19.52 °C	56.05 µS/cm	0.28 mg/L	6.28 NTU	12.2 mV	8.49 ft	400.00 ml/min
9/12/2023 9:26 AM	15:00	5.95 pH	19.58 °C	51.57 µS/cm	0.24 mg/L	7.56 NTU	17.3 mV	8.49 ft	400.00 ml/min
9/12/2023 9:31 AM	20:00	5.90 pH	19.53 °C	51.73 µS/cm	0.22 mg/L	8.87 NTU	18.8 mV	8.49 ft	400.00 ml/min
9/12/2023 9:36 AM	25:00	5.94 pH	19.52 °C	53.27 µS/cm	0.20 mg/L	10.50 NTU	13.2 mV	8.49 ft	400.00 ml/min
9/12/2023 9:41 AM	30:00	5.98 pH	19.37 °C	54.52 µS/cm	0.19 mg/L	13.00 NTU	9.7 mV	8.49 ft	400.00 ml/min
9/12/2023 9:46 AM	35:00	5.98 pH	19.32 °C	52.52 µS/cm	0.20 mg/L	19.70 NTU	10.5 mV	8.49 ft	400.00 ml/min
9/12/2023 9:51 AM	40:00	5.96 pH	19.47 °C	50.38 µS/cm	0.23 mg/L	19.00 NTU	14.7 mV	8.49 ft	400.00 ml/min
9/12/2023 9:56 AM	45:00	5.97 pH	19.62 °C	50.14 µS/cm	0.24 mg/L	20.60 NTU	13.9 mV	8.49 ft	400.00 ml/min
9/12/2023 10:01 AM	50:00	5.94 pH	19.44 °C	50.47 µS/cm	0.27 mg/L	22.10 NTU	17.4 mV	8.49 ft	400.00 ml/min
9/12/2023 10:06 AM	55:00	5.95 pH	19.20 °C	49.93 µS/cm	0.28 mg/L	19.50 NTU	18.4 mV	8.49 ft	400.00 ml/min
9/12/2023 10:11 AM	01:00:00	5.95 pH	19.15 °C	49.29 µS/cm	0.30 mg/L	18.80 NTU	19.4 mV	8.49 ft	400.00 ml/min

9/12/2023 10:16 AM	01:05:00	5.94 pH	19.12 °C	49.13 µS/cm	0.31 mg/L	19.60 NTU	20.3 mV	8.49 ft	400.00 ml/min
9/12/2023 10:21 AM	01:10:00	5.94 pH	19.13 °C	49.69 µS/cm	0.33 mg/L	20.70 NTU	20.3 mV	8.49 ft	400.00 ml/min
9/12/2023 10:26 AM	01:15:00	5.94 pH	19.14 °C	49.64 µS/cm	0.32 mg/L	20.20 NTU	21.3 mV	8.49 ft	400.00 ml/min
9/12/2023 10:31 AM	01:20:00	5.93 pH	19.15 °C	49.05 µS/cm	0.34 mg/L	22.30 NTU	22.4 mV	8.49 ft	400.00 ml/min
9/12/2023 10:36 AM	01:25:00	5.94 pH	19.23 °C	48.99 µS/cm	0.34 mg/L	19.90 NTU	22.0 mV	8.49 ft	400.00 ml/min
9/12/2023 10:41 AM	01:30:00	5.93 pH	19.27 °C	48.30 µS/cm	0.36 mg/L	19.70 NTU	23.7 mV	8.49 ft	400.00 ml/min
9/12/2023 10:46 AM	01:35:00	5.93 pH	19.34 °C	48.91 µS/cm	0.34 mg/L	21.50 NTU	24.8 mV	8.49 ft	400.00 ml/min
9/12/2023 10:51 AM	01:40:00	5.94 pH	19.42 °C	48.89 µS/cm	0.36 mg/L	20.20 NTU	23.9 mV	8.49 ft	400.00 ml/min
9/12/2023 10:56 AM	01:45:00	5.94 pH	19.42 °C	46.95 µS/cm	0.40 mg/L	20.00 NTU	25.8 mV	8.49 ft	400.00 ml/min
9/12/2023 11:01 AM	01:50:00	5.94 pH	19.49 °C	48.53 µS/cm	0.37 mg/L	19.20 NTU	26.1 mV	8.49 ft	400.00 ml/min
9/12/2023 11:06 AM	01:55:00	5.94 pH	19.40 °C	48.01 µS/cm	0.36 mg/L	19.50 NTU	25.3 mV	8.49 ft	400.00 ml/min
9/12/2023 11:11 AM	02:00:00	5.92 pH	19.43 °C	48.45 µS/cm	0.39 mg/L	18.51 NTU	28.2 mV	8.49 ft	400.00 ml/min
9/12/2023 11:16 AM	02:05:00	5.94 pH	19.45 °C	47.72 µS/cm	0.40 mg/L	18.10 NTU	27.4 mV	8.49 ft	400.00 ml/min
9/12/2023 11:21 AM	02:10:00	5.96 pH	19.44 °C	47.78 µS/cm	0.38 mg/L	17.70 NTU	26.6 mV	8.49 ft	400.00 ml/min
9/12/2023 11:26 AM	02:15:00	5.95 pH	19.40 °C	46.64 µS/cm	0.43 mg/L	17.60 NTU	28.0 mV	8.49 ft	400.00 ml/min
9/12/2023 11:31 AM	02:20:00	5.95 pH	19.40 °C	47.26 µS/cm	0.38 mg/L	16.10 NTU	27.3 mV	8.49 ft	400.00 ml/min
9/12/2023 11:36 AM	02:25:00	5.95 pH	19.51 °C	47.65 µS/cm	0.40 mg/L	14.80 NTU	28.2 mV	8.49 ft	400.00 ml/min
9/12/2023 11:41 AM	02:30:00	5.93 pH	19.38 °C	47.15 µS/cm	0.41 mg/L	14.40 NTU	30.2 mV	8.47 ft	400.00 ml/min
9/12/2023 11:46 AM	02:35:00	5.95 pH	19.40 °C	47.60 µS/cm	0.40 mg/L	15.20 NTU	28.8 mV	8.47 ft	400.00 ml/min
9/12/2023 11:51 AM	02:40:00	5.96 pH	19.41 °C	48.22 µS/cm	0.39 mg/L	20.00 NTU	28.3 mV	8.47 ft	400.00 ml/min
9/12/2023 11:56 AM	02:45:00	6.02 pH	19.63 °C	57.38 µS/cm	0.37 mg/L	37.70 NTU	24.0 mV	8.47 ft	400.00 ml/min
9/12/2023 12:01 PM	02:50:00	5.97 pH	19.54 °C	48.58 µS/cm	0.37 mg/L	19.60 NTU	28.6 mV	8.47 ft	400.00 ml/min
9/12/2023 12:06 PM	02:55:00	5.95 pH	19.50 °C	47.31 µS/cm	0.41 mg/L	17.60 NTU	32.0 mV	8.47 ft	400.00 ml/min
9/12/2023 12:11 PM	03:00:00	5.97 pH	19.40 °C	46.45 µS/cm	0.42 mg/L	21.90 NTU	29.9 mV	8.47 ft	400.00 ml/min
9/12/2023 12:16 PM	03:05:00	5.94 pH	19.37 °C	47.04 µS/cm	0.41 mg/L	15.30 NTU	33.0 mV	8.47 ft	400.00 ml/min
9/12/2023 12:21 PM	03:10:00	5.96 pH	19.36 °C	47.11 µS/cm	0.43 mg/L	27.90 NTU	32.3 mV	8.47 ft	400.00 ml/min
9/12/2023 12:26 PM	03:15:00	5.97 pH	19.36 °C	47.32 µS/cm	0.41 mg/L	38.00 NTU	31.8 mV	8.47 ft	400.00 ml/min
9/12/2023 12:31 PM	03:20:00	5.96 pH	19.36 °C	46.91 µS/cm	0.42 mg/L	25.40 NTU	33.7 mV	8.47 ft	400.00 ml/min
9/12/2023 12:36 PM	03:25:00	5.97 pH	19.45 °C	47.79 µS/cm	0.41 mg/L	27.00 NTU	32.6 mV	8.47 ft	400.00 ml/min

9/12/2023 12:41 PM	03:30:00	5.96 pH	19.42 °C	46.18 µS/cm	0.45 mg/L	29.50 NTU	35.5 mV	8.47 ft	400.00 ml/min
9/12/2023 12:46 PM	03:35:00	5.98 pH	19.45 °C	48.25 µS/cm	0.42 mg/L	40.20 NTU	32.6 mV	8.47 ft	400.00 ml/min
9/12/2023 12:51 PM	03:40:00	5.95 pH	19.49 °C	47.47 µS/cm	0.43 mg/L	15.50 NTU	35.2 mV	8.47 ft	400.00 ml/min
9/12/2023 12:56 PM	03:45:00	5.96 pH	19.86 °C	46.59 µS/cm	0.45 mg/L	16.50 NTU	32.8 mV	8.47 ft	400.00 ml/min
9/12/2023 1:01 PM	03:50:00	5.98 pH	19.54 °C	48.16 µS/cm	0.42 mg/L	22.90 NTU	33.2 mV	8.47 ft	400.00 ml/min
9/12/2023 1:06 PM	03:55:00	5.97 pH	19.50 °C	48.27 µS/cm	0.43 mg/L	21.20 NTU	34.5 mV	8.47 ft	400.00 ml/min
9/12/2023 1:11 PM	04:00:00	5.97 pH	19.53 °C	47.40 µS/cm	0.44 mg/L	23.00 NTU	35.4 mV	8.47 ft	400.00 ml/min
9/12/2023 1:16 PM	04:05:00	5.98 pH	19.58 °C	47.50 µS/cm	0.42 mg/L	32.70 NTU	33.4 mV	8.47 ft	400.00 ml/min
9/12/2023 1:21 PM	04:10:00	5.97 pH	19.69 °C	46.96 µS/cm	0.45 mg/L	15.10 NTU	35.2 mV	8.47 ft	400.00 ml/min
9/12/2023 1:26 PM	04:15:00	5.97 pH	19.77 °C	47.58 µS/cm	0.45 mg/L	20.80 NTU	35.2 mV	8.47 ft	400.00 ml/min
9/12/2023 1:31 PM	04:20:00	5.98 pH	19.85 °C	48.02 µS/cm	0.44 mg/L	12.50 NTU	33.8 mV	8.47 ft	400.00 ml/min
9/12/2023 1:36 PM	04:25:00	5.98 pH	19.85 °C	48.47 µS/cm	0.43 mg/L	18.20 NTU	33.3 mV	8.47 ft	400.00 ml/min
9/12/2023 1:41 PM	04:30:00	5.97 pH	19.80 °C	48.33 µS/cm	0.46 mg/L	33.10 NTU	34.5 mV	8.47 ft	400.00 ml/min
9/12/2023 1:46 PM	04:35:00	5.98 pH	19.85 °C	47.16 µS/cm	0.44 mg/L	16.00 NTU	35.0 mV	8.47 ft	400.00 ml/min
9/12/2023 1:51 PM	04:40:00	5.98 pH	19.88 °C	47.00 µS/cm	0.45 mg/L	11.40 NTU	35.0 mV	8.47 ft	400.00 ml/min
9/12/2023 1:56 PM	04:45:00	5.98 pH	19.98 °C	46.52 µS/cm	0.47 mg/L	12.50 NTU	35.5 mV	8.47 ft	400.00 ml/min
9/12/2023 2:01 PM	04:50:00	5.98 pH	19.94 °C	47.97 µS/cm	0.45 mg/L	11.90 NTU	34.9 mV	8.47 ft	400.00 ml/min
9/12/2023 2:06 PM	04:55:00	6.00 pH	20.04 °C	46.85 µS/cm	0.46 mg/L	18.60 NTU	34.2 mV	8.47 ft	400.00 ml/min
9/12/2023 2:11 PM	05:00:00	6.00 pH	20.07 °C	48.13 µS/cm	0.45 mg/L	12.40 NTU	33.4 mV	8.47 ft	400.00 ml/min
9/12/2023 2:16 PM	05:05:00	5.99 pH	20.30 °C	47.93 µS/cm	0.45 mg/L	37.80 NTU	34.3 mV	8.47 ft	400.00 ml/min
9/12/2023 2:21 PM	05:10:00	5.99 pH	20.37 °C	47.07 µS/cm	0.47 mg/L	16.60 NTU	34.7 mV	8.47 ft	400.00 ml/min
9/12/2023 2:26 PM	05:15:00	5.99 pH	20.14 °C	48.03 µS/cm	0.46 mg/L	12.80 NTU	34.5 mV	8.47 ft	400.00 ml/min
9/12/2023 2:31 PM	05:20:00	6.03 pH	20.16 °C	47.91 µS/cm	0.45 mg/L	65.20 NTU	31.2 mV	8.47 ft	400.00 ml/min
9/12/2023 2:36 PM	05:25:00	6.01 pH	20.22 °C	47.96 µS/cm	0.45 mg/L	13.50 NTU	33.8 mV	8.47 ft	400.00 ml/min
9/12/2023 2:41 PM	05:30:00	6.00 pH	20.20 °C	47.83 µS/cm	0.46 mg/L	11.60 NTU	34.7 mV	8.47 ft	400.00 ml/min
9/12/2023 2:46 PM	05:35:00	6.00 pH	20.23 °C	47.40 µS/cm	0.46 mg/L	16.00 NTU	34.5 mV	8.47 ft	400.00 ml/min
9/12/2023 2:51 PM	05:40:00	5.99 pH	20.25 °C	47.70 µS/cm	0.48 mg/L	17.10 NTU	35.5 mV	8.47 ft	400.00 ml/min
9/12/2023 2:56 PM	05:45:00	6.00 pH	20.38 °C	48.07 µS/cm	0.48 mg/L	13.00 NTU	34.3 mV	8.47 ft	400.00 ml/min
9/12/2023 3:01 PM	05:50:00	5.99 pH	20.38 °C	46.42 µS/cm	0.48 mg/L	15.70 NTU	35.7 mV	8.47 ft	400.00 ml/min

9/12/2023 3:06 PM	05:55:00	6.00 pH	20.42 °C	47.60 µS/cm	0.47 mg/L	9.85 NTU	34.7 mV	8.47 ft	400.00 ml/min

Samples

Sample ID:	Description:
PZ-203D	Sample time 1509
DUP-05	Fake sample time 1409

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Low-Flow Test Report:

Test Date / Time: 9/12/2023 5:18:56 PM
Project: GCEC CCR MW-2032
Operator Name: Todd Voreis

Location Name: GCEC CCR MW-2032 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 97.6 ft** **Total Depth: 102.6 ft** **Initial Depth to Water: 17.17 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 100.1 ft** **Estimated Total Volume Pumped: 48000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.46 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 994415**

Test Notes:

Weather Conditions:
Fair, 85 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/12/2023 5:18 PM	00:00	4.51 pH	29.10 °C	91.46 µS/cm	3.00 mg/L		176.8 mV	17.17 ft	400.00 ml/min
9/12/2023 5:23 PM	05:00	4.47 pH	22.22 °C	101.54 µS/cm	2.93 mg/L	47.30 NTU	162.1 mV	18.51 ft	400.00 ml/min
9/12/2023 5:28 PM	10:00	4.49 pH	20.46 °C	86.97 µS/cm	3.55 mg/L	44.50 NTU	237.9 mV	18.53 ft	400.00 ml/min
9/12/2023 5:33 PM	15:00	4.44 pH	20.30 °C	87.05 µS/cm	3.76 mg/L	17.50 NTU	239.8 mV	18.55 ft	400.00 ml/min
9/12/2023 5:38 PM	20:00	4.42 pH	20.22 °C	87.60 µS/cm	3.85 mg/L	9.30 NTU	239.8 mV	18.57 ft	400.00 ml/min
9/12/2023 5:43 PM	25:00	4.44 pH	20.20 °C	86.93 µS/cm	3.85 mg/L	5.99 NTU	234.4 mV	18.57 ft	400.00 ml/min
9/12/2023 5:48 PM	30:00	4.42 pH	20.21 °C	86.17 µS/cm	3.87 mg/L	4.73 NTU	231.9 mV	18.57 ft	400.00 ml/min
9/12/2023 5:53 PM	35:00	4.44 pH	20.18 °C	86.28 µS/cm	3.91 mg/L	3.20 NTU	226.4 mV	18.57 ft	400.00 ml/min
9/12/2023 5:58 PM	40:00	4.44 pH	20.16 °C	86.00 µS/cm	3.91 mg/L	2.69 NTU	222.6 mV	18.57 ft	400.00 ml/min
9/12/2023 6:03 PM	45:00	4.46 pH	20.16 °C	85.70 µS/cm	3.96 mg/L	2.36 NTU	218.3 mV	18.57 ft	400.00 ml/min
9/12/2023 6:08 PM	50:00	4.45 pH	20.11 °C	85.90 µS/cm	3.96 mg/L	1.86 NTU	213.1 mV	18.57 ft	400.00 ml/min
9/12/2023 6:13 PM	55:00	4.47 pH	20.09 °C	85.43 µS/cm	3.97 mg/L	1.81 NTU	208.4 mV	18.57 ft	400.00 ml/min
9/12/2023 6:18 PM	01:00:00	4.47 pH	20.08 °C	85.18 µS/cm	3.97 mg/L	1.71 NTU	205.1 mV	18.58 ft	400.00 ml/min

9/12/2023 6:23 PM	01:05:00	4.47 pH	20.07 °C	85.29 µS/cm	3.99 mg/L	1.54 NTU	201.9 mV	18.60 ft	400.00 ml/min
9/12/2023 6:28 PM	01:10:00	4.47 pH	20.09 °C	85.62 µS/cm	4.00 mg/L	1.43 NTU	199.8 mV	18.62 ft	400.00 ml/min
9/12/2023 6:33 PM	01:15:00	4.47 pH	20.10 °C	85.52 µS/cm	4.00 mg/L	1.34 NTU	197.0 mV	18.63 ft	400.00 ml/min
9/12/2023 6:38 PM	01:20:00	4.48 pH	20.12 °C	85.17 µS/cm	4.00 mg/L	1.23 NTU	194.4 mV	18.63 ft	400.00 ml/min
9/12/2023 6:43 PM	01:25:00	4.48 pH	20.16 °C	85.19 µS/cm	4.01 mg/L	1.38 NTU	192.4 mV	18.63 ft	400.00 ml/min
9/12/2023 6:48 PM	01:30:00	4.48 pH	20.12 °C	85.14 µS/cm	4.00 mg/L	1.28 NTU	190.9 mV	18.63 ft	400.00 ml/min
9/12/2023 6:53 PM	01:35:00	4.48 pH	20.15 °C	85.12 µS/cm	4.01 mg/L	1.13 NTU	193.0 mV	18.63 ft	400.00 ml/min
9/12/2023 6:58 PM	01:40:00	4.48 pH	20.09 °C	85.51 µS/cm	3.99 mg/L	1.33 NTU	188.0 mV	18.63 ft	400.00 ml/min
9/12/2023 7:03 PM	01:45:00	4.46 pH	20.03 °C	85.41 µS/cm	4.04 mg/L	1.05 NTU	184.9 mV	18.63 ft	400.00 ml/min
9/12/2023 7:08 PM	01:50:00	4.48 pH	20.05 °C	85.05 µS/cm	4.02 mg/L	1.01 NTU	181.5 mV	18.63 ft	400.00 ml/min
9/12/2023 7:13 PM	01:55:00	4.48 pH	20.07 °C	84.77 µS/cm	4.03 mg/L	0.90 NTU	179.8 mV	18.63 ft	400.00 ml/min
9/12/2023 7:18 PM	02:00:00	4.48 pH	20.03 °C	84.56 µS/cm	4.04 mg/L	0.94 NTU	178.6 mV	18.63 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW2032/GE-1D	Sample time 1925

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Generated 10/9/2023 2:55:13 PM

JOB DESCRIPTION

CCR GCEC
SDG NUMBER Background A

JOB NUMBER

400-242880-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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Job Notes

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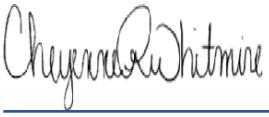
Authorization



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Job ID: 400-242880-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242880-1

Receipt
The samples were received on 9/1/2023 4:17 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0º C and 0.0º C.

Metals
Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-641896 and analytical batch 400-642049 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

General Chemistry
Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-640388 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 Cl- E: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 400-640388 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualifie

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-242880-7), (400-242672-B-2), (400-242672-B-2 MS), (400-242672-B-2 MSD), (400-243004-B-1), (400-243004-B-1 MS), (400-243004-B-1 MSD), (400-243101-B-1), (400-243101-B-1 MS) and (400-243101-B-1 MSD). Elevatec reporting limits (RLs) are provided.

Method SM 4500 SO4 E: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-640429 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS met acceptance criteria.

Method SM 4500 SO4 E: The following sample was diluted to bring the concentration of target analytes within the calibration range: (400-242673-B-13). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-100 — Lab Sample ID: 400-242880-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.019		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Beryllium	0.000069	I	0.00050	0.000056	mg/L	1		6020B	Total Recoverable
Boron	0.021		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.88		0.050	0.025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00055		0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Selenium	0.00022	I	0.00025	0.00016	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	36		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.5		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.75				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-101 — Lab Sample ID: 400-242880-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0099		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.020		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.39		0.050	0.025	mg/L	1		6020B	Total Recoverable
Chromium	0.00048	I	0.00050	0.00042	mg/L	1		6020B	Total Recoverable
Cobalt	0.00033	I	0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	18		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.9		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.86				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 400-242880-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.010		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.023		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.33		0.050	0.025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00039	I	0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	16		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.85				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-108 — Lab Sample ID: 400-242880-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.025		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	2.1		0.050	0.025	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: MW-108 (Continued) — Lab Sample ID: 400-242880-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0050		0.00050	0.00042	mg/L	1		6020B	Total Recoverable
Cobalt	0.00026	I	0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Molybdenum	0.00013	I	0.0030	0.000092	mg/L	1		6020B	Total Recoverable
Selenium	0.00039		0.00025	0.00016	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	32		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	3.8	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.81				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-306 — Lab Sample ID: 400-242880-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.016		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.52		0.050	0.025	mg/L	1		6020B	Total Recoverable
Chromium	0.00056		0.00050	0.00042	mg/L	1		6020B	Total Recoverable
Cobalt	0.00024	I	0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	16		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.99				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-307 — Lab Sample ID: 400-242880-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.020		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.016		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.66		0.050	0.025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00098		0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Selenium	0.00022	I	0.00025	0.00016	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	22		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.03				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-242880-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.020		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.016		0.010	0.0058	mg/L	1		6020B	Total Recoverable
Calcium	0.68		0.050	0.025	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01 (Continued) — Lab Sample ID: 400-242880-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.00042	I	0.00050	0.00042	mg/L	1		6020B	Total Recoverable
Cobalt	0.00094		0.00050	0.00011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	20		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.03				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-01 — Lab Sample ID: 400-242880-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0087	I	0.010	0.0058	mg/L	1		6020B	Total Recoverable
Chloride	3.0		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.81				SU	1		Field Sampling	Total/NA

Client Sample ID: FB-01 — Lab Sample ID: 400-242880-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.00075		0.00050	0.00036	mg/L	1		6020B	Total Recoverable
Boron	0.0082	I	0.010	0.0058	mg/L	1		6020B	Total Recoverable
Field pH	4.81				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242880-1	MW-100	Water	09/01/23 15:03	09/01/23 16:17
400-242880-2	MW-101	Water	09/01/23 12:30	09/01/23 16:17
400-242880-3	MW-107	Water	09/01/23 10:12	09/01/23 16:17
400-242880-4	MW-108	Water	09/01/23 14:53	09/01/23 16:17
400-242880-5	MW-306	Water	09/01/23 10:07	09/01/23 16:17
400-242880-6	MW-307	Water	09/01/23 12:59	09/01/23 16:17
400-242880-7	DUP-01	Water	09/01/23 11:59	09/01/23 16:17
400-242880-8	EB-01	Water	09/01/23 13:48	09/01/23 16:17
400-242880-9	FB-01	Water	09/01/23 13:40	09/01/23 16:17

Client Sample ID: MW-100

Date Collected: 09/01/23 15:03
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 03:53	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 03:53	1
Barium	**0.019**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 03:53	1
Beryllium	**0.000069**	**I**	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 03:53	1
Boron	**0.021**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 03:53	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 03:53	1
Calcium	**0.88**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 03:53	1
Chromium	0.00042	U	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 03:53	1
Cobalt	**0.00055**		0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 03:53	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 03:53	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 03:53	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 03:53	1
Selenium	**0.00022**	**I**	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 03:53	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 03:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**36**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**5.5**		2.0	1.4	mg/L			09/08/23 18:31	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:08	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.75**				SU			09/01/23 15:03	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-101
Date Collected: 09/01/23 12:30
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:18	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:18	1
Barium	**0.0099**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:18	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:18	1
Boron	**0.020**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:18	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:18	1
Calcium	**0.39**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:18	1
Chromium	**0.00048**	**I**	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:18	1
Cobalt	**0.00033**	**I**	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:18	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:18	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:18	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:18	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:18	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**3.9**		2.0	1.4	mg/L			09/08/23 18:32	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.86**				SU			09/01/23 12:30	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-107
Date Collected: 09/01/23 10:12
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-3
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:21	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:21	1
Barium	**0.010**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:21	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:21	1
Boron	**0.023**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:21	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:21	1
Calcium	**0.33**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:21	1
Chromium	0.00042	U	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:21	1
Cobalt	**0.00039**	**I**	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:21	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:21	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:21	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:21	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:21	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**16**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**4.2**		2.0	1.4	mg/L			09/08/23 18:32	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.85**				SU			09/01/23 10:12	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-108

Date Collected: 09/01/23 14:53
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:24	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:24	1
Barium	**0.012**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:24	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:24	1
Boron	**0.025**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:24	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:24	1
Calcium	**2.1**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:24	1
Chromium	**0.0050**		0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:24	1
Cobalt	**0.00026**	**I**	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:24	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:24	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:24	1
Molybdenum	**0.00013**	**I**	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:24	1
Selenium	**0.00039**		0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:24	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**32**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**4.2**		2.0	1.4	mg/L			09/08/23 18:33	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	**3.8**	**I**	5.0	1.4	mg/L			09/09/23 17:10	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.81**				SU			09/01/23 14:53	1

Client Sample ID: MW-306

Date Collected: 09/01/23 10:07
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:27	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:27	1
Barium	**0.012**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:27	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:27	1
Boron	**0.016**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:27	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:27	1
Calcium	**0.52**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:27	1
Chromium	**0.00056**		0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:27	1
Cobalt	**0.00024**	**I**	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:27	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:27	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:27	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:27	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:27	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**16**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**4.8**		2.0	1.4	mg/L			09/08/23 18:33	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:10	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.99**				SU			09/01/23 10:07	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-307

Date Collected: 09/01/23 12:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:30	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:30	1
Barium	**0.020**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:30	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:30	1
Boron	**0.016**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:30	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:30	1
Calcium	**0.66**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:30	1
Chromium	0.00042	U	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:30	1
Cobalt	**0.00098**		0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:30	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:30	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:30	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:30	1
Selenium	**0.00022**	**I**	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:30	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**22**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**4.4**		2.0	1.4	mg/L			09/08/23 18:34	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.03**				SU			09/01/23 12:59	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: DUP-01

Date Collected: 09/01/23 11:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:33	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:33	1
Barium	**0.020**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:33	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:33	1
Boron	**0.016**		0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:33	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:33	1
Calcium	**0.68**		0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:33	1
Chromium	**0.00042**	**I**	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:33	1
Cobalt	**0.00094**		0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:33	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:33	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:33	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:33	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:33	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**20**		5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	14	U	20	14	mg/L			09/08/23 19:09	10
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.03**				SU			09/01/23 11:59	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: EB-01

Date Collected: 09/01/23 13:48
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:36	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:36	1
Barium	0.00036	U	0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:36	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:36	1
Boron	**0.0087**	**I**	0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:36	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:36	1
Calcium	0.025	U	0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:36	1
Chromium	0.00042	U	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:36	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:36	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:36	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:36	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:36	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:36	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	**3.0**		2.0	1.4	mg/L			09/09/23 12:53	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.81**				SU			09/01/23 13:48	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: FB-01

Date Collected: 09/01/23 13:40
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00010	U	0.00050	0.00010	mg/L		09/20/23 12:27	09/22/23 04:40	1
Arsenic	0.00024	U	0.00025	0.00024	mg/L		09/20/23 12:27	09/22/23 04:40	1
Barium	**0.00075**		0.00050	0.00036	mg/L		09/20/23 12:27	09/22/23 04:40	1
Beryllium	0.000056	U	0.00050	0.000056	mg/L		09/20/23 12:27	09/22/23 04:40	1
Boron	**0.0082**	**I**	0.010	0.0058	mg/L		09/20/23 12:27	09/22/23 04:40	1
Cadmium	0.00013	U	0.00050	0.00013	mg/L		09/20/23 12:27	09/22/23 04:40	1
Calcium	0.025	U	0.050	0.025	mg/L		09/20/23 12:27	09/22/23 04:40	1
Chromium	0.00042	U	0.00050	0.00042	mg/L		09/20/23 12:27	09/22/23 04:40	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		09/20/23 12:27	09/22/23 04:40	1
Lead	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:40	1
Lithium	0.00098	U	0.0010	0.00098	mg/L		09/20/23 12:27	09/22/23 04:40	1
Molybdenum	0.000092	U	0.0030	0.000092	mg/L		09/20/23 12:27	09/22/23 04:40	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		09/20/23 12:27	09/22/23 04:40	1
Thallium	0.000022	U	0.00010	0.000022	mg/L		09/20/23 12:27	09/22/23 04:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 14:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/03/23 15:48	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/08/23 18:38	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/09/23 17:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.81**				SU			09/01/23 13:40	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-100
Date Collected: 09/01/23 15:03
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 03:53
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:00
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:31
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:08
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 15:03

Client Sample ID: MW-101
Date Collected: 09/01/23 12:30
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:18
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:01
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:32
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:09
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 12:30

Client Sample ID: MW-107
Date Collected: 09/01/23 10:12
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:21
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:02
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:32
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:09
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 10:12

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Client Sample ID: MW-108

Date Collected: 09/01/23 14:53
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:24
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:03
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:33
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:10
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 14:53

Client Sample ID: MW-306

Date Collected: 09/01/23 10:07
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:27
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:05
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:33
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:10
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 10:07

Client Sample ID: MW-307

Date Collected: 09/01/23 12:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:30
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:06
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:34
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:11
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 12:59

Client Sample ID: DUP-01
Date Collected: 09/01/23 11:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:33
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:07
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		10	640388	CJK	EET PEN	09/08/23 19:09
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:11
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 11:59

Client Sample ID: EB-01
Date Collected: 09/01/23 13:48
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:36
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:08
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/09/23 12:53
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:13
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 13:48

Client Sample ID: FB-01
Date Collected: 09/01/23 13:40
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			641896	MS	EET PEN	09/20/23 12:27 - 09/20/23 15:37 [1]
Total Recoverable	Analysis	6020B		1	642238	NTH	EET PEN	09/22/23 04:40
Total/NA	Prep	7470A			640094	NET	EET PEN	09/07/23 12:33 - 09/07/23 14:40 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 14:09
Total/NA	Analysis	SM 2540C		1	639622	HA	EET PEN	09/03/23 15:48
Total/NA	Analysis	SM 4500 Cl- E		1	640388	CJK	EET PEN	09/08/23 18:38
Total/NA	Analysis	SM 4500 F C		1	639700	JP	EET PEN	09/05/23 10:43
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:14
Total/NA	Analysis	Field Sampling		1	644594	C1H	EET PEN	09/01/23 13:40

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 640094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	7470A	
400-242880-2	MW-101	Total/NA	Water	7470A	
400-242880-3	MW-107	Total/NA	Water	7470A	
400-242880-4	MW-108	Total/NA	Water	7470A	
400-242880-5	MW-306	Total/NA	Water	7470A	
400-242880-6	MW-307	Total/NA	Water	7470A	
400-242880-7	DUP-01	Total/NA	Water	7470A	
400-242880-8	EB-01	Total/NA	Water	7470A	
400-242880-9	FB-01	Total/NA	Water	7470A	
MB 400-640094/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-640094/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-243012-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-243012-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 640755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	7470A	640094
400-242880-2	MW-101	Total/NA	Water	7470A	640094
400-242880-3	MW-107	Total/NA	Water	7470A	640094
400-242880-4	MW-108	Total/NA	Water	7470A	640094
400-242880-5	MW-306	Total/NA	Water	7470A	640094
400-242880-6	MW-307	Total/NA	Water	7470A	640094
400-242880-7	DUP-01	Total/NA	Water	7470A	640094
400-242880-8	EB-01	Total/NA	Water	7470A	640094
400-242880-9	FB-01	Total/NA	Water	7470A	640094
MB 400-640094/14-A	Method Blank	Total/NA	Water	7470A	640094
LCS 400-640094/15-A	Lab Control Sample	Total/NA	Water	7470A	640094
400-243012-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	640094
400-243012-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	640094

Prep Batch: 641896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total Recoverable	Water	3005A	
400-242880-2	MW-101	Total Recoverable	Water	3005A	
400-242880-3	MW-107	Total Recoverable	Water	3005A	
400-242880-4	MW-108	Total Recoverable	Water	3005A	
400-242880-5	MW-306	Total Recoverable	Water	3005A	
400-242880-6	MW-307	Total Recoverable	Water	3005A	
400-242880-7	DUP-01	Total Recoverable	Water	3005A	
400-242880-8	EB-01	Total Recoverable	Water	3005A	
400-242880-9	FB-01	Total Recoverable	Water	3005A	
MB 400-641896/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-641896/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 400-641896/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-242880-C-2-C MS ^5	400-242880-C-2-C MS ^5	Total Recoverable	Water	3005A	
400-242880-C-2-D MSD ^5	400-242880-C-2-D MSD ^5	Total Recoverable	Water	3005A	

Analysis Batch: 642049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-641896/1-A ^5	Method Blank	Total Recoverable	Water	6020B	641896
LCS 400-641896/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	641896

Metals (Continued)

Analysis Batch: 642049 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-C-2-C MS ^5	400-242880-C-2-C MS ^5	Total Recoverable	Water	6020B	641896
400-242880-C-2-D MSD ^5	400-242880-C-2-D MSD ^5	Total Recoverable	Water	6020B	641896

Analysis Batch: 642238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total Recoverable	Water	6020B	641896
400-242880-2	MW-101	Total Recoverable	Water	6020B	641896
400-242880-3	MW-107	Total Recoverable	Water	6020B	641896
400-242880-4	MW-108	Total Recoverable	Water	6020B	641896
400-242880-5	MW-306	Total Recoverable	Water	6020B	641896
400-242880-6	MW-307	Total Recoverable	Water	6020B	641896
400-242880-7	DUP-01	Total Recoverable	Water	6020B	641896
400-242880-8	EB-01	Total Recoverable	Water	6020B	641896
400-242880-9	FB-01	Total Recoverable	Water	6020B	641896

Analysis Batch: 642344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-641896/2-A	Lab Control Sample	Total Recoverable	Water	6020B	641896

General Chemistry

Analysis Batch: 639622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	SM 2540C	
400-242880-2	MW-101	Total/NA	Water	SM 2540C	
400-242880-3	MW-107	Total/NA	Water	SM 2540C	
400-242880-4	MW-108	Total/NA	Water	SM 2540C	
400-242880-5	MW-306	Total/NA	Water	SM 2540C	
400-242880-6	MW-307	Total/NA	Water	SM 2540C	
400-242880-7	DUP-01	Total/NA	Water	SM 2540C	
400-242880-8	EB-01	Total/NA	Water	SM 2540C	
400-242880-9	FB-01	Total/NA	Water	SM 2540C	
MB 400-639622/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-639622/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-242673-B-10 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 639700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	SM 4500 F C	
400-242880-2	MW-101	Total/NA	Water	SM 4500 F C	
400-242880-3	MW-107	Total/NA	Water	SM 4500 F C	
400-242880-4	MW-108	Total/NA	Water	SM 4500 F C	
400-242880-5	MW-306	Total/NA	Water	SM 4500 F C	
400-242880-6	MW-307	Total/NA	Water	SM 4500 F C	
400-242880-7	DUP-01	Total/NA	Water	SM 4500 F C	
400-242880-8	EB-01	Total/NA	Water	SM 4500 F C	
400-242880-9	FB-01	Total/NA	Water	SM 4500 F C	
MB 400-639700/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-639700/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-639700/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-242880-1 MS	MW-100	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 639700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1 MSD	MW-100	Total/NA	Water	SM 4500 F C	
400-242672-B-4 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 640388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-242880-2	MW-101	Total/NA	Water	SM 4500 Cl- E	
400-242880-3	MW-107	Total/NA	Water	SM 4500 Cl- E	
400-242880-4	MW-108	Total/NA	Water	SM 4500 Cl- E	
400-242880-5	MW-306	Total/NA	Water	SM 4500 Cl- E	
400-242880-6	MW-307	Total/NA	Water	SM 4500 Cl- E	
400-242880-7	DUP-01	Total/NA	Water	SM 4500 Cl- E	
400-242880-8	EB-01	Total/NA	Water	SM 4500 Cl- E	
400-242880-9	FB-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-640388/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-640388/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-640388/74	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-640388/75	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-640388/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-242880-8 MS	EB-01	Total/NA	Water	SM 4500 Cl- E	
400-242880-8 MSD	EB-01	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 640429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	SM 4500 SO4 E	
400-242880-2	MW-101	Total/NA	Water	SM 4500 SO4 E	
400-242880-3	MW-107	Total/NA	Water	SM 4500 SO4 E	
400-242880-4	MW-108	Total/NA	Water	SM 4500 SO4 E	
400-242880-5	MW-306	Total/NA	Water	SM 4500 SO4 E	
400-242880-6	MW-307	Total/NA	Water	SM 4500 SO4 E	
400-242880-7	DUP-01	Total/NA	Water	SM 4500 SO4 E	
400-242880-8	EB-01	Total/NA	Water	SM 4500 SO4 E	
400-242880-9	FB-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-640429/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-640429/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-640429/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-242880-8 MS	EB-01	Total/NA	Water	SM 4500 SO4 E	
400-242880-8 MSD	EB-01	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 644594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	Field Sampling	
400-242880-2	MW-101	Total/NA	Water	Field Sampling	
400-242880-3	MW-107	Total/NA	Water	Field Sampling	
400-242880-4	MW-108	Total/NA	Water	Field Sampling	
400-242880-5	MW-306	Total/NA	Water	Field Sampling	
400-242880-6	MW-307	Total/NA	Water	Field Sampling	
400-242880-7	DUP-01	Total/NA	Water	Field Sampling	
400-242880-8	EB-01	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 644594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-9	FB-01	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-641896/1-A ^5
Matrix: Water
Analysis Batch: 642049

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/20/23 12:27	09/21/23 03:42	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/20/23 12:27	09/21/23 03:42	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/20/23 12:27	09/21/23 03:42	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/20/23 12:27	09/21/23 03:42	5
Boron	0.029	U	0.050	0.029	mg/L		09/20/23 12:27	09/21/23 03:42	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/20/23 12:27	09/21/23 03:42	5
Calcium	0.13	U	0.25	0.13	mg/L		09/20/23 12:27	09/21/23 03:42	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/20/23 12:27	09/21/23 03:42	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/20/23 12:27	09/21/23 03:42	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/20/23 12:27	09/21/23 03:42	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/20/23 12:27	09/21/23 03:42	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/20/23 12:27	09/21/23 03:42	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/20/23 12:27	09/21/23 03:42	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/20/23 12:27	09/21/23 03:42	5

Lab Sample ID: LCS 400-641896/2-A
Matrix: Water
Analysis Batch: 642344

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0546		mg/L		109	80 - 120
Boron	0.100	0.119		mg/L		119	80 - 120

Lab Sample ID: LCS 400-641896/2-A ^5
Matrix: Water
Analysis Batch: 642049

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0537		mg/L		107	80 - 120
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Beryllium	0.0500	0.0502		mg/L		100	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Calcium	5.00	4.96		mg/L		99	80 - 120
Chromium	0.0500	0.0514		mg/L		103	80 - 120
Cobalt	0.0500	0.0511		mg/L		102	80 - 120
Lead	0.0500	0.0512		mg/L		102	80 - 120
Lithium	0.0500	0.0505		mg/L		101	80 - 120
Molybdenum	0.0500	0.0498		mg/L		100	80 - 120
Selenium	0.0500	0.0567		mg/L		113	80 - 120
Thallium	0.0100	0.0102		mg/L		102	80 - 120

Lab Sample ID: 400-242880-C-2-C MS ^5
Matrix: Water
Analysis Batch: 642049

Client Sample ID: 400-242880-C-2-C MS ^5
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00050	U	0.0500	0.0507		mg/L		101	75 - 125
Arsenic	0.0012	U	0.0500	0.0502		mg/L		100	75 - 125
Barium	0.0086	J3	0.0500	0.0815	J3	mg/L		146	75 - 125

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

Lab Sample ID: 400-242880-C-2-C MS ^5
Matrix: Water
Analysis Batch: 642049

Client Sample ID: 400-242880-C-2-C MS ^5
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.00028	U	0.0500	0.0479		mg/L		96	75 - 125
Boron	0.029	U J3	0.100	0.156	J3	mg/L		156	75 - 125
Cadmium	0.00065	U	0.0500	0.0505		mg/L		101	75 - 125
Calcium	0.43		5.00	5.10		mg/L		93	75 - 125
Chromium	0.0021	U	0.0500	0.0502		mg/L		100	75 - 125
Cobalt	0.00056	U	0.0500	0.0506		mg/L		101	75 - 125
Lead	0.00081	U	0.0500	0.0510		mg/L		102	75 - 125
Lithium	0.0049	U	0.0500	0.0482		mg/L		96	75 - 125
Molybdenum	0.00046	U	0.0500	0.0488		mg/L		98	75 - 125
Selenium	0.00082	U	0.0500	0.0555		mg/L		111	75 - 125
Thallium	0.00011	U	0.0100	0.00991		mg/L		99	75 - 125

Lab Sample ID: 400-242880-C-2-D MSD ^5
Matrix: Water
Analysis Batch: 642049

Client Sample ID: 400-242880-C-2-D MSD ^5
Prep Type: Total Recoverable
Prep Batch: 641896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00050	U	0.0500	0.0530		mg/L		106	75 - 125	4	20
Arsenic	0.0012	U	0.0500	0.0500		mg/L		100	75 - 125	0	20
Barium	0.0086	J3	0.0500	0.0855	J3	mg/L		154	75 - 125	5	20
Beryllium	0.00028	U	0.0500	0.0499		mg/L		100	75 - 125	4	20
Boron	0.029	U J3	0.100	0.168	J3	mg/L		168	75 - 125	8	20
Cadmium	0.00065	U	0.0500	0.0519		mg/L		104	75 - 125	3	20
Calcium	0.43		5.00	5.51		mg/L		101	75 - 125	8	20
Chromium	0.0021	U	0.0500	0.0489		mg/L		98	75 - 125	3	20
Cobalt	0.00056	U	0.0500	0.0503		mg/L		101	75 - 125	1	20
Lead	0.00081	U	0.0500	0.0508		mg/L		102	75 - 125	0	20
Lithium	0.0049	U	0.0500	0.0493		mg/L		99	75 - 125	2	20
Molybdenum	0.00046	U	0.0500	0.0541		mg/L		108	75 - 125	10	20
Selenium	0.00082	U	0.0500	0.0536		mg/L		107	75 - 125	3	20
Thallium	0.00011	U	0.0100	0.0100		mg/L		100	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-640094/14-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640094

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/07/23 12:33	09/12/23 13:47	1

Lab Sample ID: LCS 400-640094/15-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000960		mg/L		96	80 - 120

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

Lab Sample ID: 400-243012-A-1-B MS
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 640094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00200	0.00181		mg/L		91	80 - 120

Lab Sample ID: 400-243012-A-1-C MSD
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 640094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00200	0.00173		mg/L		87	80 - 120	5	20

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

Lab Sample ID: MB 400-639622/1
Matrix: Water
Analysis Batch: 639622

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/03/23 15:48	1

Lab Sample ID: LCS 400-639622/2
Matrix: Water
Analysis Batch: 639622

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	293	280		mg/L		96	78 - 122

Lab Sample ID: 400-242673-B-10 DU
Matrix: Water
Analysis Batch: 639622

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	5400		5360		mg/L		0	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-640388/13
Matrix: Water
Analysis Batch: 640388

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/08/23 18:03	1

Lab Sample ID: MB 400-640388/44
Matrix: Water
Analysis Batch: 640388

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/08/23 18:20	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MB 400-640388/74
Matrix: Water
Analysis Batch: 640388

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/08/23 18:35	1

Lab Sample ID: LCS 400-640388/75
Matrix: Water
Analysis Batch: 640388

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	49.6		mg/L		99	90 - 110		

Lab Sample ID: 400-242880-8 MS
Matrix: Water
Analysis Batch: 640388

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3.0		10.0	12.0		mg/L		90	73 - 120		

Lab Sample ID: 400-242880-8 MSD
Matrix: Water
Analysis Batch: 640388

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.0		10.0	11.5		mg/L		84	73 - 120	5	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-639700/10
Matrix: Water
Analysis Batch: 639700

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			09/05/23 10:43	1

Lab Sample ID: LCS 400-639700/12
Matrix: Water
Analysis Batch: 639700

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			5.00	4.91		mg/L		98	90 - 110		

Lab Sample ID: MRL 400-639700/11
Matrix: Water
Analysis Batch: 639700

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.103		mg/L		103			

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-242880-1 MS
Matrix: Water
Analysis Batch: 639700

Client Sample ID: MW-100
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.070	U	0.100	0.121		mg/L		121	75 - 125		

Lab Sample ID: 400-242880-1 MSD
Matrix: Water
Analysis Batch: 639700

Client Sample ID: MW-100
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.121		mg/L		121	75 - 125	0	4

Lab Sample ID: 400-242672-B-4 DU
Matrix: Water
Analysis Batch: 639700

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.070	U		0.070	U	mg/L				NC	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-640429/12
Matrix: Water
Analysis Batch: 640429

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/09/23 16:50	1

Lab Sample ID: LCS 400-640429/13
Matrix: Water
Analysis Batch: 640429

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	15.3		mg/L		102	90 - 110		

Lab Sample ID: 400-242880-8 MS
Matrix: Water
Analysis Batch: 640429

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1.4	U	10.0	9.39		mg/L		94	77 - 128		

Lab Sample ID: 400-242880-8 MSD
Matrix: Water
Analysis Batch: 640429

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	9.43		mg/L		94	77 - 128	0	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone. 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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400-242880 COC

Client Information	Sampler: Rick Hagendorfer / TODD Vareis	Lab PM: Whitmire, Cheyenne R	Carrier:	COC No: 400-122775-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy com	WO #: 3000004117			
Project Name: CCR GCEC Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:			D	N	N	D	N	N		
MW-100	9-1-23	1503	G	Water	NO	X	X	X	X	X	X		
MW-101	9-1-23	1230	G	Water	NO	X	X	X	X	X	X		
MW-107	9-1-23	1012	G	Water	NO	X	X	X	X	X	X		
MW-108	9-1-23	1453	G	Water	NO	X	X	X	X	X	X		
MW-306	9-1-23	1007	G	Water	NO	X	X	X	X	X	X		
MW-307	9-1-23	1259	G	Water	NO	X	X	X	X	X	X		
DUP-01	9-1-23	1159	G	Water	NO	X	X	X	X	X	X		
EB-01	9-1-23	1348	G	Water	NO	X	X		X	X	X		
FB-01	9-1-23	1340	G	Water	NO	X	X		X	X	X		
				Water									

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-1-23 1617	ROH ENV.	Tammy Eckert	9/1/23 1617	
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: 0.0°C IR8 0.0°C

Ver: 06/08/2021

10/9/2023

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242880-1
SDG Number: Background A

Login Number: 242880
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 0.0°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-1
SDG: Background A

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	12-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Background A

JOB NUMBER

400-242880-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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

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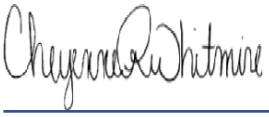

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Authorized for release by
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Job ID: 400-242880-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242880-2

Receipt
The samples were received on 9/1/2023 4:17 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.0°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 batch 626921. 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-100 (400-242880-1), MW-101 (400-242880-2), MW-107 (400-242880-3), MW-108 (400-242880-4), MW-306 (400-242880-5), MW-307 (400-242880-6), DUP-01 (400-242880-7), EB-01 (400-242880-8), FB-01 (400-242880-9), (LCS 160-626921/2-A), (MB 160-626921/1-A), (810-76267-A-1-A) and (810-76267-B-1-A DU)

Method 9320_Ra228: Radium-228 batch 626923. 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-100 (400-242880-1), MW-101 (400-242880-2), MW-107 (400-242880-3), MW-108 (400-242880-4), MW-306 (400-242880-5), MW-307 (400-242880-6), DUP-01 (400-242880-7), EB-01 (400-242880-8), FB-01 (400-242880-9), (LCS 160-626923/2-A), (MB 160-626923/1-A), (810-76267-A-1-B) and (810-76267-B-1-B DU)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242880-1	MW-100	Water	09/01/23 15:03	09/01/23 16:17
400-242880-2	MW-101	Water	09/01/23 12:30	09/01/23 16:17
400-242880-3	MW-107	Water	09/01/23 10:12	09/01/23 16:17
400-242880-4	MW-108	Water	09/01/23 14:53	09/01/23 16:17
400-242880-5	MW-306	Water	09/01/23 10:07	09/01/23 16:17
400-242880-6	MW-307	Water	09/01/23 12:59	09/01/23 16:17
400-242880-7	DUP-01	Water	09/01/23 11:59	09/01/23 16:17
400-242880-8	EB-01	Water	09/01/23 13:48	09/01/23 16:17
400-242880-9	FB-01	Water	09/01/23 13:40	09/01/23 16:17

Client Sample ID: MW-100

Date Collected: 09/01/23 15:03
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.394	I	0.126	0.130	1.00	0.112	pCi/L	09/07/23 09:39	10/02/23 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.937	I	0.381	0.390	1.00	0.485	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*83.4*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.33	I	0.401	0.411	5.00	0.485	pCi/L		10/03/23 12:01	1

Client Sample ID: MW-101
Date Collected: 09/01/23 12:30
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-2
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177	I	0.0906	0.0920	1.00	0.101	pCi/L	09/07/23 09:39	10/02/23 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.03		0.421	0.431	1.00	0.545	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21	I	0.431	0.441	5.00	0.545	pCi/L		10/03/23 12:01	1

Client Sample ID: MW-107

Date Collected: 09/01/23 10:12
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.345	I	0.124	0.128	1.00	0.125	pCi/L	09/07/23 09:39	10/02/23 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:55*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.462	0.474	1.00	0.613	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*80.0*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.49	I	0.478	0.491	5.00	0.613	pCi/L		10/03/23 12:01	1

Client Sample ID: MW-108

Date Collected: 09/01/23 14:53
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.497	I	0.146	0.152	1.00	0.132	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.63		0.556	0.606	1.00	0.523	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*83.0*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.12	I	0.575	0.625	5.00	0.523	pCi/L		10/03/23 12:01	1

Client Sample ID: MW-306

Date Collected: 09/01/23 10:07
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.286	I	0.120	0.123	1.00	0.136	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.932	I	0.375	0.384	1.00	0.461	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*82.2*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.22	I	0.394	0.403	5.00	0.461	pCi/L		10/03/23 12:01	1

Client Sample ID: MW-307

Date Collected: 09/01/23 12:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.409	I	0.139	0.144	1.00	0.146	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.707	I	0.373	0.378	1.00	0.520	pCi/L	09/07/23 09:45	09/26/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*
Y Carrier	*81.5*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.12	I	0.398	0.404	5.00	0.520	pCi/L		10/03/23 12:01	1

Client Sample ID: DUP-01

Date Collected: 09/01/23 11:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.282	I	0.112	0.115	1.00	0.112	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.583	I	0.367	0.371	1.00	0.537	pCi/L	09/07/23 09:45	09/26/23 16:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*
Y Carrier	*80.0*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.865	I	0.384	0.388	5.00	0.537	pCi/L		10/03/23 12:01	1

Client Sample ID: EB-01
Date Collected: 09/01/23 13:48
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-8
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.0560	0.0560	1.00	0.119	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.477	U	0.543	0.544	1.00	0.890	pCi/L	09/07/23 09:45	09/26/23 16:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*
Y Carrier	*54.2*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.477	U	0.546	0.547	5.00	0.890	pCi/L		10/03/23 12:01	1

Client Sample ID: FB-01

Date Collected: 09/01/23 13:40
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00450	U	0.0501	0.0501	1.00	0.112	pCi/L	09/07/23 09:39	10/02/23 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:56*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.916**	**I**	0.458	0.466	1.00	0.650	pCi/L	09/07/23 09:45	09/26/23 16:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*
Y Carrier	*82.6*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.912**	**I**	0.461	0.469	5.00	0.650	pCi/L		10/03/23 12:01	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Qualifiers

Rad

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Client Sample ID: MW-100
Date Collected: 09/01/23 15:03
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630386	FLC	EET SL	10/02/23 09:47
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: MW-101
Date Collected: 09/01/23 12:30
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630386	FLC	EET SL	10/02/23 09:47
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: MW-107
Date Collected: 09/01/23 10:12
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:55
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: MW-108
Date Collected: 09/01/23 14:53
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Client Sample ID: MW-306
Date Collected: 09/01/23 10:07
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: MW-307
Date Collected: 09/01/23 12:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:04
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: DUP-01
Date Collected: 09/01/23 11:59
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:05
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Client Sample ID: EB-01
Date Collected: 09/01/23 13:48
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:05
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Client Sample ID: FB-01

Date Collected: 09/01/23 13:40
Date Received: 09/01/23 16:17

Lab Sample ID: 400-242880-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			626921	KAC	EET SL	09/07/23 09:39
Total/NA	Analysis	9315		1	630390	FLC	EET SL	10/02/23 09:56
Total/NA	Prep	PrecSep_0			626923	KAC	EET SL	09/07/23 09:45
Total/NA	Analysis	9320		1	629618	FLC	EET SL	09/26/23 16:05
Total/NA	Analysis	Ra226_Ra228		1	630532	SCB	EET SL	10/03/23 12:01

Laboratory References:

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

Rad

Prep Batch: 626921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	PrecSep-21	
400-242880-2	MW-101	Total/NA	Water	PrecSep-21	
400-242880-3	MW-107	Total/NA	Water	PrecSep-21	
400-242880-4	MW-108	Total/NA	Water	PrecSep-21	
400-242880-5	MW-306	Total/NA	Water	PrecSep-21	
400-242880-6	MW-307	Total/NA	Water	PrecSep-21	
400-242880-7	DUP-01	Total/NA	Water	PrecSep-21	
400-242880-8	EB-01	Total/NA	Water	PrecSep-21	
400-242880-9	FB-01	Total/NA	Water	PrecSep-21	
MB 160-626921/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-626921/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
810-76267-B-1-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 626923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242880-1	MW-100	Total/NA	Water	PrecSep_0	
400-242880-2	MW-101	Total/NA	Water	PrecSep_0	
400-242880-3	MW-107	Total/NA	Water	PrecSep_0	
400-242880-4	MW-108	Total/NA	Water	PrecSep_0	
400-242880-5	MW-306	Total/NA	Water	PrecSep_0	
400-242880-6	MW-307	Total/NA	Water	PrecSep_0	
400-242880-7	DUP-01	Total/NA	Water	PrecSep_0	
400-242880-8	EB-01	Total/NA	Water	PrecSep_0	
400-242880-9	FB-01	Total/NA	Water	PrecSep_0	
MB 160-626923/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-626923/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
810-76267-B-1-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-626921/1-A
Matrix: Water
Analysis Batch: 630386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626921

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01972	U	0.0807	0.0807	1.00	0.150	pCi/L	09/07/23 09:39	10/02/23 09:42	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*09/07/23 09:39*	*10/02/23 09:42*	*1*

Lab Sample ID: LCS 160-626921/2-A
Matrix: Water
Analysis Batch: 630386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626921

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.31		1.09	1.00	0.0998	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.3*		*30 - 110*

Lab Sample ID: 810-76267-B-1-A DU
Matrix: Water
Analysis Batch: 630390

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 626921

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.237	I		0.1553	I	0.0899	1.00	0.111	pCi/L			0.38	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.0*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-626923/1-A
Matrix: Water
Analysis Batch: 629622

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626923

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1646	U	0.295	0.295	1.00	0.508	pCi/L	09/07/23 09:45	09/26/23 16:02	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:02*	*1*
Y Carrier	*77.0*		*30 - 110*	*09/07/23 09:45*	*09/26/23 16:02*	*1*

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

Lab Sample ID: LCS 160-626923/2-A
Matrix: Water
Analysis Batch: 629622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626923

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.85	7.976		1.13	1.00	0.503	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.3*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

Lab Sample ID: 810-76267-B-1-B DU
Matrix: Water
Analysis Batch: 629618

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 626923

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.740	I		0.07556	U	0.315	1.00	0.567	pCi/L			0.95	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.0*		*30 - 110*
Y Carrier	*81.9*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone. 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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400-242880 COC

Client Information	Sampler: Rick Hagendorfer / TODD Vareis	Lab PM: Whitmire, Cheyenne R	Carrier:	COC No: 400-122775-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy com	WO #: 3000004117			
Project Name: CCR GCEC Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:			D	N	N	D	N	N		
MW-100	9-1-23	1503	G	Water	NO	X	X	X	X	X	X		
MW-101	9-1-23	1230	G	Water	NO	X	X	X	X	X	X		
MW-107	9-1-23	1012	G	Water	NO	X	X	X	X	X	X		
MW-108	9-1-23	1453	G	Water	NO	X	X	X	X	X	X		
MW-306	9-1-23	1007	G	Water	NO	X	X	X	X	X	X		
MW-307	9-1-23	1259	G	Water	NO	X	X	X	X	X	X		
DUP-01	9-1-23	1159	G	Water	NO	X	X	X	X	X	X		
EB-01	9-1-23	1348	G	Water	NO	X	X		X	X	X		
FB-01	9-1-23	1340	G	Water	NO	X	X		X	X	X		
				Water									

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-1-23 1617	ROH ENV.	Tammy Eckert	9/1/23 1617	
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: 0.0°C IR8 0.0°C

Ver: 06/08/2021

10/4/2023

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242880-2
SDG Number: Background A

Login Number: 242880
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C, 0.0°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242880-2
SDG Number: Background A

Login Number: 242880
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 09/06/23 11:22 AM

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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242880-2
SDG: Background A

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
West Virginia DEP	State	381	10-31-23

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC

JOB NUMBER

400-242672-3

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

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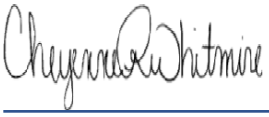
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
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Case Narrative

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Job ID: 400-242672-3

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242672-3

Receipt
The samples were received on 8/30/2023 10:33 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 0.0º C, 0.0º C, 2.2º C, 3.6º C and 4.2º C.

Metals
Method 6020B: The serial dilution performed for the following sample associated with batch 400-643673 was outside control limits: (400-242672-C-5-B SD ^25)

Method 6020B: The post digestion spike % recovery associated with batch 400-643673 was outside of control limits. The associated sample is: (400-242672-C-5-B PDS ^5).

Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-643149 and analytical batch 400-643673 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

General Chemistry
Method SM 4500 Cl- E: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 400-641324 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method SM 4500 Cl- E: The method blank for analytical batch 400-641324 contained Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-242672-5), (400-242672-B-5 MS) and (400-242672-B-5 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-642280 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following sample was diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-242672-5). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: PZ-200S — Lab Sample ID: 400-242672-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.064		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	15		2.5	1.5	mg/L	250		6020B	Total Recoverable
Calcium	260		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0018	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0019		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Mercury	0.00039		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	1700		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	550		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	130		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	4.98				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-200D — Lab Sample ID: 400-242672-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.031		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.071		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	4.9		0.25	0.13	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	92		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.9	V	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.080	I	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	8.1		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.35				SU	1		Field Sampling	Total/NA

Client Sample ID: GSA-2S — Lab Sample ID: 400-242672-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0031		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.097		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	16		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.00075	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0019		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	100		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	21		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	15		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.47				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-201D — Lab Sample ID: 400-242672-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.057		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.049	I	0.050	0.029	mg/L	5		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: PZ-201D (Continued) — Lab Sample ID: 400-242672-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6.1		0.25	0.13	mg/L	5		6020B	Total Recoverable
Lithium	0.011		0.0050	0.0049	mg/L	5		6020B	Total Recoverable
Molybdenum	0.00080	I	0.015	0.00046	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	72		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.8	V	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.2	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.58				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-203D — Lab Sample ID: 400-242672-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.041	I	0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	1.1		0.25	0.13	mg/L	5		6020B	Total Recoverable
Lithium	0.0052		0.0050	0.0049	mg/L	5		6020B	Total Recoverable
Selenium	0.0024		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	42		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2	V	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.5	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.00				SU	1		Field Sampling	Total/NA

Client Sample ID: MW2032/GE-1D — Lab Sample ID: 400-242672-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.050		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	1.8		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0025		0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	54		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	20		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	1.5	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.48				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-05 — Lab Sample ID: 400-242672-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.010		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.039	I	0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	1.2		0.25	0.13	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	44		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4	V	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: DUP-05 (Continued) — Lab Sample ID: 400-242672-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	7.4		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: DUP-06 — Lab Sample ID: 400-242672-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.016		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.41		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	16		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.00065	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0012	I	0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	21		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	16		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242672-5	PZ-200S	Water	09/13/23 10:32	09/13/23 12:34
400-242672-6	PZ-200D	Water	09/13/23 08:50	09/13/23 12:34
400-242672-7	GSA-2S	Water	09/13/23 08:50	09/13/23 12:34
400-242672-8	PZ-201D	Water	09/12/23 16:55	09/13/23 12:34
400-242672-9	PZ-203D	Water	09/12/23 15:09	09/13/23 12:34
400-242672-10	MW2032/GE-1D	Water	09/12/23 15:25	09/13/23 12:34
400-242672-11	DUP-05	Water	09/12/23 14:09	09/13/23 12:34
400-242672-12	DUP-06	Water	09/13/23 07:50	09/13/23 12:34

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: PZ-200S

Date Collected: 09/13/23 10:32
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 08:39	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 08:39	5
Barium	**0.064**		0.0025	0.0018	mg/L		09/28/23 11:36	10/02/23 08:39	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 08:39	5
Boron	**15**		2.5	1.5	mg/L		09/28/23 11:36	10/03/23 04:16	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 08:39	5
Calcium	**260**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 08:39	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 08:39	5
Cobalt	**0.0018**	**I**	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 08:39	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 08:39	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 08:39	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 08:39	5
Selenium	**0.0019**		0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 08:39	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 08:39	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00039**		0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1700**		10	10	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**550**		20	14	mg/L			09/16/23 16:06	10
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**130**		50	14	mg/L			09/22/23 11:53	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.98**				SU			09/13/23 10:32	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: PZ-200D

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 08:51	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 08:51	5
Barium	**0.031**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:19	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 08:51	5
Boron	**0.071**		0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:19	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 08:51	5
Calcium	**4.9**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 08:51	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 08:51	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 08:51	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 08:51	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 08:51	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 08:51	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 08:51	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 08:51	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**92**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**3.9**	**V**	2.0	1.4	mg/L			09/16/23 15:17	1
Fluoride (SM 4500 F C)	**0.080**	**I**	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**8.1**		5.0	1.4	mg/L			09/22/23 11:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.35**				SU			09/13/23 08:50	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: GSA-2S

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 08:55	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 08:55	5
Barium	**0.0031**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:22	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 08:55	5
Boron	**0.097**		0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:22	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 08:55	5
Calcium	**16**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 08:55	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 08:55	5
Cobalt	**0.00075**	**I**	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 08:55	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 08:55	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 08:55	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 08:55	5
Selenium	**0.0019**		0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 08:55	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 08:55	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**100**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**21**		2.0	1.4	mg/L			09/16/23 15:17	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**15**		5.0	1.4	mg/L			09/22/23 11:23	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.47**				SU			09/13/23 08:50	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: PZ-201D

Date Collected: 09/12/23 16:55
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 09:19	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 09:19	5
Barium	**0.057**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:25	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 09:19	5
Boron	**0.049**	**I**	0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:25	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 09:19	5
Calcium	**6.1**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 09:19	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 09:19	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 09:19	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 09:19	5
Lithium	**0.011**		0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 09:19	5
Molybdenum	**0.00080**	**I**	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 09:19	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 09:19	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 09:19	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**72**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**3.8**	**V**	2.0	1.4	mg/L			09/16/23 15:18	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**4.2**	**I**	5.0	1.4	mg/L			09/22/23 11:24	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.58**				SU			09/12/23 16:55	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: PZ-203D

Date Collected: 09/12/23 15:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 09:22	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 09:22	5
Barium	**0.012**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:28	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 09:22	5
Boron	**0.041**	**I**	0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:28	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 09:22	5
Calcium	**1.1**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 09:22	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 09:22	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 09:22	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 09:22	5
Lithium	**0.0052**		0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 09:22	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 09:22	5
Selenium	**0.0024**		0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 09:22	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 09:22	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**42**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**4.2**	**V**	2.0	1.4	mg/L			09/16/23 15:18	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**4.5**	**I**	5.0	1.4	mg/L			09/22/23 11:24	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.00**				SU			09/12/23 15:09	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: MW2032/GE-1D

Date Collected: 09/12/23 15:25
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 09:25	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 09:25	5
Barium	**0.026**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:32	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 09:25	5
Boron	**0.050**		0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:32	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 09:25	5
Calcium	**1.8**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 09:25	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 09:25	5
Cobalt	**0.0025**		0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 09:25	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 09:25	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 09:25	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 09:25	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 09:25	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 09:25	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**54**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**20**		2.0	1.4	mg/L			09/16/23 15:19	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**1.5**	**I**	5.0	1.4	mg/L			09/22/23 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.48**				SU			09/12/23 15:25	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: DUP-05

Date Collected: 09/12/23 14:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-11

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 09:29	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 09:29	5
Barium	**0.010**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:35	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 09:29	5
Boron	**0.039**	**I**	0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:35	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 09:29	5
Calcium	**1.2**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 09:29	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 09:29	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 09:29	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 09:29	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 09:29	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 09:29	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 09:29	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 09:29	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**44**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**4.4**	**V**	2.0	1.4	mg/L			09/16/23 15:19	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**7.4**		5.0	1.4	mg/L			09/22/23 11:25	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: DUP-06

Date Collected: 09/13/23 07:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-12

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 09:32	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 09:32	5
Barium	**0.016**		0.0025	0.0018	mg/L		09/28/23 11:36	10/03/23 04:38	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 09:32	5
Boron	**0.41**		0.050	0.029	mg/L		09/28/23 11:36	10/03/23 04:38	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 09:32	5
Calcium	**16**		0.25	0.13	mg/L		09/28/23 11:36	10/02/23 09:32	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 09:32	5
Cobalt	**0.00065**	**I**	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 09:32	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 09:32	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 09:32	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 09:32	5
Selenium	**0.0012**	**I**	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 09:32	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 09:32	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		5.0	5.0	mg/L			09/13/23 17:21	1
Chloride (SM 4500 Cl- E)	**21**		2.0	1.4	mg/L			09/16/23 15:20	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**16**		5.0	1.4	mg/L			09/22/23 11:26	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample 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

Client Sample ID: PZ-200S

Date Collected: 09/13/23 10:32
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 08:39
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		250	643857	BAW	EET PEN	10/03/23 04:16
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:34
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		10	641324	CJK	EET PEN	09/16/23 16:06
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		10	642280	CJK	EET PEN	09/22/23 11:53
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/13/23 10:32

Client Sample ID: PZ-200D

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 08:51
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:19
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:36
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:17
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:22
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/13/23 08:50

Client Sample ID: GSA-2S

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 08:55
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:22
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:37
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:17
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: GSA-2S

Lab Sample ID: 400-242672-7

Date Collected: 09/13/23 08:50

Matrix: Water

Date Received: 09/13/23 12:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:23
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/13/23 08:50

Client Sample ID: PZ-201D

Lab Sample ID: 400-242672-8

Date Collected: 09/12/23 16:55

Matrix: Water

Date Received: 09/13/23 12:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 09:19
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:25
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:38
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:18
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:24
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/12/23 16:55

Client Sample ID: PZ-203D

Lab Sample ID: 400-242672-9

Date Collected: 09/12/23 15:09

Matrix: Water

Date Received: 09/13/23 12:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 09:22
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:28
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:42
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:18
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:24
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/12/23 15:09

Client Sample ID: MW2032/GE-1D

Lab Sample ID: 400-242672-10

Date Collected: 09/12/23 15:25

Matrix: Water

Date Received: 09/13/23 12:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 09:25

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Client Sample ID: MW2032/GE-1D

Date Collected: 09/12/23 15:25
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:32
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:43
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:19
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:25
Total/NA	Analysis	Field Sampling		1	645015	UT	EET PEN	09/12/23 15:25

Client Sample ID: DUP-05

Date Collected: 09/12/23 14:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 09:29
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:35
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:44
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:19
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:25

Client Sample ID: DUP-06

Date Collected: 09/13/23 07:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643673	NTH	EET PEN	10/02/23 09:32
Total Recoverable	Prep	3005A			643149	MS	EET PEN	09/28/23 11:36 - 09/28/23 14:30 [1]
Total Recoverable	Analysis	6020B		5	643857	BAW	EET PEN	10/03/23 04:38
Total/NA	Prep	7470A			641202	JR	EET PEN	09/15/23 10:50 - 09/15/23 14:35 [1]
Total/NA	Analysis	7470A		1	641772	BAW	EET PEN	09/19/23 15:45
Total/NA	Analysis	SM 2540C		1	640924	HA	EET PEN	09/13/23 17:21
Total/NA	Analysis	SM 4500 Cl- E		1	641324	CJK	EET PEN	09/16/23 15:20
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		1	642280	CJK	EET PEN	09/22/23 11:26

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 641202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	7470A	
400-242672-6	PZ-200D	Total/NA	Water	7470A	
400-242672-7	GSA-2S	Total/NA	Water	7470A	
400-242672-8	PZ-201D	Total/NA	Water	7470A	
400-242672-9	PZ-203D	Total/NA	Water	7470A	
400-242672-10	MW2032/GE-1D	Total/NA	Water	7470A	
400-242672-11	DUP-05	Total/NA	Water	7470A	
400-242672-12	DUP-06	Total/NA	Water	7470A	
MB 400-641202/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-641202/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-243336-G-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-243336-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 641772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	7470A	641202
400-242672-6	PZ-200D	Total/NA	Water	7470A	641202
400-242672-7	GSA-2S	Total/NA	Water	7470A	641202
400-242672-8	PZ-201D	Total/NA	Water	7470A	641202
400-242672-9	PZ-203D	Total/NA	Water	7470A	641202
400-242672-10	MW2032/GE-1D	Total/NA	Water	7470A	641202
400-242672-11	DUP-05	Total/NA	Water	7470A	641202
400-242672-12	DUP-06	Total/NA	Water	7470A	641202
MB 400-641202/14-A	Method Blank	Total/NA	Water	7470A	641202
LCS 400-641202/15-A	Lab Control Sample	Total/NA	Water	7470A	641202
400-243336-G-1-B MS	Matrix Spike	Total/NA	Water	7470A	641202
400-243336-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	641202

Prep Batch: 643149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total Recoverable	Water	3005A	
400-242672-6	PZ-200D	Total Recoverable	Water	3005A	
400-242672-7	GSA-2S	Total Recoverable	Water	3005A	
400-242672-8	PZ-201D	Total Recoverable	Water	3005A	
400-242672-9	PZ-203D	Total Recoverable	Water	3005A	
400-242672-10	MW2032/GE-1D	Total Recoverable	Water	3005A	
400-242672-11	DUP-05	Total Recoverable	Water	3005A	
400-242672-12	DUP-06	Total Recoverable	Water	3005A	
MB 400-643149/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-643149/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-243983-F-1-C MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-243983-F-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 643673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total Recoverable	Water	6020B	643149
400-242672-6	PZ-200D	Total Recoverable	Water	6020B	643149
400-242672-7	GSA-2S	Total Recoverable	Water	6020B	643149
400-242672-8	PZ-201D	Total Recoverable	Water	6020B	643149
400-242672-9	PZ-203D	Total Recoverable	Water	6020B	643149
400-242672-10	MW2032/GE-1D	Total Recoverable	Water	6020B	643149

Metals (Continued)

Analysis Batch: 643673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-11	DUP-05	Total Recoverable	Water	6020B	643149
400-242672-12	DUP-06	Total Recoverable	Water	6020B	643149
MB 400-643149/1-A ^5	Method Blank	Total Recoverable	Water	6020B	643149
LCS 400-643149/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	643149
400-243983-F-1-C MS ^5	Matrix Spike	Total Recoverable	Water	6020B	643149
400-243983-F-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020B	643149

Analysis Batch: 643857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total Recoverable	Water	6020B	643149
400-242672-6	PZ-200D	Total Recoverable	Water	6020B	643149
400-242672-7	GSA-2S	Total Recoverable	Water	6020B	643149
400-242672-8	PZ-201D	Total Recoverable	Water	6020B	643149
400-242672-9	PZ-203D	Total Recoverable	Water	6020B	643149
400-242672-10	MW2032/GE-1D	Total Recoverable	Water	6020B	643149
400-242672-11	DUP-05	Total Recoverable	Water	6020B	643149
400-242672-12	DUP-06	Total Recoverable	Water	6020B	643149
MB 400-643149/1-A ^5	Method Blank	Total Recoverable	Water	6020B	643149

Analysis Batch: 643912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-643149/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	643149

General Chemistry

Analysis Batch: 640924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	SM 2540C	
400-242672-6	PZ-200D	Total/NA	Water	SM 2540C	
400-242672-7	GSA-2S	Total/NA	Water	SM 2540C	
400-242672-8	PZ-201D	Total/NA	Water	SM 2540C	
400-242672-9	PZ-203D	Total/NA	Water	SM 2540C	
400-242672-10	MW2032/GE-1D	Total/NA	Water	SM 2540C	
400-242672-11	DUP-05	Total/NA	Water	SM 2540C	
400-242672-12	DUP-06	Total/NA	Water	SM 2540C	
MB 400-640924/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-640924/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-243189-E-15 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 641324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	SM 4500 Cl- E	
400-242672-6	PZ-200D	Total/NA	Water	SM 4500 Cl- E	
400-242672-7	GSA-2S	Total/NA	Water	SM 4500 Cl- E	
400-242672-8	PZ-201D	Total/NA	Water	SM 4500 Cl- E	
400-242672-9	PZ-203D	Total/NA	Water	SM 4500 Cl- E	
400-242672-10	MW2032/GE-1D	Total/NA	Water	SM 4500 Cl- E	
400-242672-11	DUP-05	Total/NA	Water	SM 4500 Cl- E	
400-242672-12	DUP-06	Total/NA	Water	SM 4500 Cl- E	
MB 400-641324/35	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-641324/5	Method Blank	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 641324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-641324/36	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 400-641324/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-641324/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-242672-5 MS	PZ-200S	Total/NA	Water	SM 4500 Cl- E	
400-242672-5 MSD	PZ-200S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 641607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	SM 4500 F C	
400-242672-6	PZ-200D	Total/NA	Water	SM 4500 F C	
400-242672-7	GSA-2S	Total/NA	Water	SM 4500 F C	
400-242672-8	PZ-201D	Total/NA	Water	SM 4500 F C	
400-242672-9	PZ-203D	Total/NA	Water	SM 4500 F C	
400-242672-10	MW2032/GE-1D	Total/NA	Water	SM 4500 F C	
400-242672-11	DUP-05	Total/NA	Water	SM 4500 F C	
400-242672-12	DUP-06	Total/NA	Water	SM 4500 F C	
MB 400-641607/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-641607/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-641607/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-243116-B-6 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-243116-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-243166-B-4 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 642280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	SM 4500 SO4 E	
400-242672-6	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
400-242672-7	GSA-2S	Total/NA	Water	SM 4500 SO4 E	
400-242672-8	PZ-201D	Total/NA	Water	SM 4500 SO4 E	
400-242672-9	PZ-203D	Total/NA	Water	SM 4500 SO4 E	
400-242672-10	MW2032/GE-1D	Total/NA	Water	SM 4500 SO4 E	
400-242672-11	DUP-05	Total/NA	Water	SM 4500 SO4 E	
400-242672-12	DUP-06	Total/NA	Water	SM 4500 SO4 E	
MB 400-642280/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-642280/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-642280/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-243403-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-243403-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 645015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	Field Sampling	
400-242672-6	PZ-200D	Total/NA	Water	Field Sampling	
400-242672-7	GSA-2S	Total/NA	Water	Field Sampling	
400-242672-8	PZ-201D	Total/NA	Water	Field Sampling	
400-242672-9	PZ-203D	Total/NA	Water	Field Sampling	
400-242672-10	MW2032/GE-1D	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-643149/1-A ^5
Matrix: Water
Analysis Batch: 643673

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/28/23 11:36	10/02/23 08:33	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/28/23 11:36	10/02/23 08:33	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/28/23 11:36	10/02/23 08:33	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/28/23 11:36	10/02/23 08:33	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/28/23 11:36	10/02/23 08:33	5
Calcium	0.13	U	0.25	0.13	mg/L		09/28/23 11:36	10/02/23 08:33	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/28/23 11:36	10/02/23 08:33	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/28/23 11:36	10/02/23 08:33	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/28/23 11:36	10/02/23 08:33	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/28/23 11:36	10/02/23 08:33	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/28/23 11:36	10/02/23 08:33	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/28/23 11:36	10/02/23 08:33	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/28/23 11:36	10/02/23 08:33	5

Lab Sample ID: MB 400-643149/1-A ^5
Matrix: Water
Analysis Batch: 643857

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.029	U	0.050	0.029	mg/L		09/28/23 11:36	10/03/23 03:20	5

Lab Sample ID: LCS 400-643149/2-A ^5
Matrix: Water
Analysis Batch: 643673

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0547		mg/L		109	80 - 120
Arsenic	0.0500	0.0498		mg/L		100	80 - 120
Beryllium	0.0500	0.0501		mg/L		100	80 - 120
Cadmium	0.0500	0.0518		mg/L		104	80 - 120
Calcium	5.00	5.41		mg/L		108	80 - 120
Chromium	0.0500	0.0514		mg/L		103	80 - 120
Cobalt	0.0500	0.0500		mg/L		100	80 - 120
Lead	0.0500	0.0505		mg/L		101	80 - 120
Lithium	0.0500	0.0466		mg/L		93	80 - 120
Molybdenum	0.0500	0.0512		mg/L		102	80 - 120
Selenium	0.0500	0.0490		mg/L		98	80 - 120
Thallium	0.0100	0.00963		mg/L		96	80 - 120

Lab Sample ID: LCS 400-643149/2-A ^5
Matrix: Water
Analysis Batch: 643912

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0461		mg/L		92	80 - 120
Boron	0.100	0.120		mg/L		120	80 - 120

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

Lab Sample ID: 400-243983-F-1-C MS ^5
Matrix: Water
Analysis Batch: 643673

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00050	U	0.0500	0.0549		mg/L		110	75 - 125
Arsenic	0.0070		0.0500	0.0580		mg/L		102	75 - 125
Barium	0.15	J3	0.0500	0.240	J3	mg/L		177	75 - 125
Beryllium	0.00028	U	0.0500	0.0515		mg/L		103	75 - 125
Boron	0.79	J3	0.100	1.13	J3	mg/L		335	75 - 125
Cadmium	0.00065	U	0.0500	0.0509		mg/L		102	75 - 125
Calcium	68	L	5.00	77.1	J3	mg/L		188	75 - 125
Chromium	0.0025		0.0500	0.0535		mg/L		102	75 - 125
Cobalt	0.00056	U	0.0500	0.0509		mg/L		102	75 - 125
Lead	0.00081	U	0.0500	0.0518		mg/L		104	75 - 125
Lithium	0.0049	U	0.0500	0.0494		mg/L		99	75 - 125
Molybdenum	0.00069	I	0.0500	0.0531		mg/L		105	75 - 125
Selenium	0.00082	U	0.0500	0.0396		mg/L		79	75 - 125
Thallium	0.00011	U	0.0100	0.0101		mg/L		101	75 - 125

Lab Sample ID: 400-243983-F-1-D MSD ^5
Matrix: Water
Analysis Batch: 643673

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 643149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00050	U	0.0500	0.0532		mg/L		106	75 - 125	3	20
Arsenic	0.0070		0.0500	0.0561		mg/L		98	75 - 125	3	20
Barium	0.15	J3	0.0500	0.234	J3	mg/L		167	75 - 125	2	20
Beryllium	0.00028	U	0.0500	0.0513		mg/L		103	75 - 125	0	20
Boron	0.79	J3	0.100	1.07	J3	mg/L		274	75 - 125	6	20
Cadmium	0.00065	U	0.0500	0.0524		mg/L		105	75 - 125	3	20
Calcium	68	L	5.00	75.8	J3	mg/L		162	75 - 125	2	20
Chromium	0.0025		0.0500	0.0529		mg/L		101	75 - 125	1	20
Cobalt	0.00056	U	0.0500	0.0508		mg/L		102	75 - 125	0	20
Lead	0.00081	U	0.0500	0.0510		mg/L		102	75 - 125	2	20
Lithium	0.0049	U	0.0500	0.0501		mg/L		100	75 - 125	1	20
Molybdenum	0.00069	I	0.0500	0.0490		mg/L		97	75 - 125	8	20
Selenium	0.00082	U	0.0500	0.0432		mg/L		86	75 - 125	9	20
Thallium	0.00011	U	0.0100	0.0102		mg/L		102	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-641202/14-A
Matrix: Water
Analysis Batch: 641772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 641202

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/15/23 10:50	09/19/23 15:13	1

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

Lab Sample ID: LCS 400-641202/15-A
Matrix: Water
Analysis Batch: 641772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 641202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00100	0.000950		mg/L		95	80 - 120		

Lab Sample ID: 400-243336-G-1-B MS
Matrix: Water
Analysis Batch: 641772

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 641202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.00015	U	0.00200	0.00194		mg/L		97	80 - 120		

Lab Sample ID: 400-243336-G-1-C MSD
Matrix: Water
Analysis Batch: 641772

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 641202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00200	0.00195		mg/L		98	80 - 120	1	20

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

Lab Sample ID: MB 400-640924/1
Matrix: Water
Analysis Batch: 640924

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/13/23 17:21	1

Lab Sample ID: LCS 400-640924/2
Matrix: Water
Analysis Batch: 640924

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			293	294		mg/L		100	78 - 122		

Lab Sample ID: 400-243189-E-15 DU
Matrix: Water
Analysis Batch: 640924

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	350			352		mg/L				2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-641324/35
Matrix: Water
Analysis Batch: 641324

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.80	I	2.0	1.4	mg/L			09/16/23 15:28	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MB 400-641324/5
Matrix: Water
Analysis Batch: 641324

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.57	I	2.0	1.4	mg/L			09/16/23 15:13	1

Lab Sample ID: LCS 400-641324/36
Matrix: Water
Analysis Batch: 641324

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	52.4		mg/L		105	90 - 110

Lab Sample ID: LCS 400-641324/6
Matrix: Water
Analysis Batch: 641324

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.9		mg/L		104	90 - 110

Lab Sample ID: MRL 400-641324/7
Matrix: Water
Analysis Batch: 641324

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	4.03	V	mg/L		101	50 - 150

Lab Sample ID: 400-242672-5 MS
Matrix: Water
Analysis Batch: 641324

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	550		100	556	J3	mg/L		10	73 - 120

Lab Sample ID: 400-242672-5 MSD
Matrix: Water
Analysis Batch: 641324

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	550		100	554	J3	mg/L		8	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-641607/10
Matrix: Water
Analysis Batch: 641607

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 400-641607/12
Matrix: Water
Analysis Batch: 641607

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			5.00	5.08		mg/L		102	90 - 110		

Lab Sample ID: MRL 400-641607/11
Matrix: Water
Analysis Batch: 641607

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.0830	I	mg/L		83	50 - 150		

Lab Sample ID: 400-243116-B-6 MS
Matrix: Water
Analysis Batch: 641607

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.070	U	0.100	0.0933	I	mg/L		93	75 - 125		

Lab Sample ID: 400-243116-B-6 MSD
Matrix: Water
Analysis Batch: 641607

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.0971	I	mg/L		97	75 - 125	4	4

Lab Sample ID: 400-243166-B-4 DU
Matrix: Water
Analysis Batch: 641607

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.070	U	0.070	U	mg/L		NC	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-642280/12
Matrix: Water
Analysis Batch: 642280

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/22/23 10:52	1

Lab Sample ID: LCS 400-642280/13
Matrix: Water
Analysis Batch: 642280

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	13.6		mg/L		90	90 - 110		

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: MRL 400-642280/14
Matrix: Water
Analysis Batch: 642280

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.61	I	mg/L		92	50 - 150		

Lab Sample ID: 400-243403-A-2 MS
Matrix: Water
Analysis Batch: 642280

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	300		10.0	307	J3	mg/L		54	77 - 128		

Lab Sample ID: 400-243403-A-2 MSD
Matrix: Water
Analysis Batch: 642280

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	300		10.0	310		mg/L		86	77 - 128	1	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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400-242672 COC

Client Information	Sampler: RICK HAGEMEIER / TODD JUSTICE	Lab PM: Whitmire, Cheyenne R	COC No.: 400-122782-23631 1
Client Contact: Barry Evans	Phone: 402-517-0342	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:	Analysis Requested	Job #:
Address: BIN 731 One Energy Place	Due Date Requested:		Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; 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; Y - Trizma; Z - other (specify); Other:
City: Pensacola	TAT Requested (days):		
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No		
Phone: 850-444-6427(Tel)	PO #: 2000441641		
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117		
Project Name: CCR GCEC GSA Delineation Sampling	Project #: 40005424		
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E; SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of Containers	Special Instructions/Note:
			Preservation Code:			D	N	N	D	N	N		
PZ-200S	9-13-23	1032	G	Water	No	X	X	X	X	X	X		
PZ-200D	9-13-23	0850	G	Water	No	X	X	X	X	X	X		
GSA-2S	13 SEP 23	0850	G	Water	No	X	X	X	X	X	X		
PZ-201D	9-12-23	1655	G	Water	No	X	X	X	X	X	X		
PZ-203D	12 SEP 23	1509	G	Water	No	X	X	X	X	X	X		
MW2032/GE-1D	12 SEP 23	1925	G	Water	No	X	X	X	X	X	X		
DUP-05	12 SEP 23	1409	G	Water	No	X	X	X	X	X	X		
DUP-06	13 SEP 23	0730	G	Water	No	X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	9-13-23 1151	RDH ENV		9-13-23 1151	RDH ENV
	9-13-23 1229	RDH ENV		913-23 1234	Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C 0.0°C IR11

Ver: 06/08/2021

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

400-242672 COC

Client Information	Sampler: RICK HAGENDORFER / JODI WORTHS	Lab PM: Whitmire, Cheyenne R	COC No.: 400-122782-23631 1
Client Contact: Barry Evans	Phone: 402-517-0342	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:		Job #:
Address: BIN 731 One Energy Place	Due Date Requested:		
City: Pensacola	TAT Requested (days):		
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No		
Phone: 850-444-6427(Tel)	PO #: 2000441641		
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117		
Project Name: CCR GCEC GSA Delineation Sampling	Project #: 40005424		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, 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, Y - Trizma, 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)	[illegible]	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
PZ-200S	9-13-23	1032	G	Water	NO		X	X	X	X	X	X		
PZ-200D	9-13-23	0850	G	Water	NO		X	X	X	X	X	X		
GSA-2S	13 SEP 23	0850	G	Water	NO		X	X	X	X	X	X		
PZ-201D	9-12-23	1655	G	Water	NO		X	X	X	X	X	X		
PZ-203D	12 SEP 23	1509	G	Water	NO		X	X	X	X	X	X		
MW2032/GE-1D	12 SEP 23	1925	G	Water	NO		X	X	X	X	X	X		
DUP-05	12 SEP 23	1409	G	Water	NO		X	X	X	X	X	X		
DUP-06	13 SEP 23	0750	G	Water	NO		X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDD's

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-13-23 1151	RDH ENV	[signature]	9-13-23 1151	RDH ENV
[signature]	9-13-23 1229	RDH ENV	[signature]	9-13-23 1234	Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.0°C 0.0°C IR11

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242672-3
SDG Number:

Login Number: 242672
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.2°C, 3.6°C IR8, 2.2°C IR-8, 0.0°C, 0.0°C IR11
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-3

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	12-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC

JOB NUMBER

400-242672-4

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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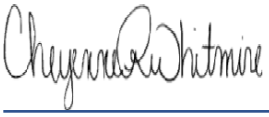
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
Cheyenne Whitmire, Project Manager II
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(850)471-6222

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Job ID: 400-242672-4

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242672-4

Receipt
The samples were received on 8/30/2023 10:33 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 0.0º C, 0.0º C, 2.2º C, 3.6º C and 4.2º C.

RAD
Method 9315: Radium-226 batch 628685. 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. PZ-200S (400-242672-5), PZ-200D (400-242672-6), GSA-2S (400-242672-7), PZ-201D (400-242672-8), PZ-203D (400-242672-9), MW2032/GE-1D (400-242672-10), DUP-05 (400-242672-11), DUP-06 (400-242672-12), (LCS 160-628685/2-A), (MB 160-628685/1-A), (310-264651-C-1-A), (310-264651-C-1-B MS) and (310-264651-C-1-C MSD)

Method 9320: Radium-228 batch 628686. 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. PZ-200S (400-242672-5), PZ-200D (400-242672-6), GSA-2S (400-242672-7), PZ-201D (400-242672-8), PZ-203D (400-242672-9), MW2032/GE-1D (400-242672-10), DUP-05 (400-242672-11), DUP-06 (400-242672-12), (LCS 160-628686/2-A), (MB 160-628686/1-A), (310-264651-C-1-D), (310-264651-C-1-E MS) and (310-264651-C-1-F MSD)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242672-5	PZ-200S	Water	09/13/23 10:32	09/13/23 12:34
400-242672-6	PZ-200D	Water	09/13/23 08:50	09/13/23 12:34
400-242672-7	GSA-2S	Water	09/13/23 08:50	09/13/23 12:34
400-242672-8	PZ-201D	Water	09/12/23 16:55	09/13/23 12:34
400-242672-9	PZ-203D	Water	09/12/23 15:09	09/13/23 12:34
400-242672-10	MW2032/GE-1D	Water	09/12/23 15:25	09/13/23 12:34
400-242672-11	DUP-05	Water	09/12/23 14:09	09/13/23 12:34
400-242672-12	DUP-06	Water	09/13/23 07:50	09/13/23 12:34

Client Sample ID: PZ-200S

Date Collected: 09/13/23 10:32
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.14		0.584	0.937	1.00	0.188	pCi/L	09/19/23 10:13	10/11/23 19:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*09/19/23 10:13*	*10/11/23 19:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.08		1.05	1.34	1.00	0.626	pCi/L	09/19/23 10:17	10/06/23 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:35*	*1*
Y Carrier	*73.3*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:35*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	17.2		1.20	1.64	5.00	0.626	pCi/L		10/12/23 14:53	1

Client Sample ID: PZ-200D

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.182**	**I**	0.118	0.119	1.00	0.169	pCi/L	09/19/23 10:13	10/12/23 09:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.458	U	0.401	0.403	1.00	0.632	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*74.4*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.640**	**I**	0.418	0.420	5.00	0.632	pCi/L		10/12/23 14:53	1

Client Sample ID: GSA-2S

Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.835	I	0.179	0.194	1.00	0.131	pCi/L	09/19/23 10:13	10/12/23 09:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.05		0.510	0.544	1.00	0.504	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*78.9*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.89	I	0.541	0.578	5.00	0.504	pCi/L		10/12/23 14:53	1

Client Sample ID: PZ-201D

Date Collected: 09/12/23 16:55
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.0834	0.0840	1.00	0.118	pCi/L	09/19/23 10:13	10/12/23 09:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.428	U	0.384	0.386	1.00	0.610	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*78.5*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.541	U	0.393	0.395	5.00	0.610	pCi/L		10/12/23 14:53	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Client Sample ID: PZ-203D

Date Collected: 09/12/23 15:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0281	U	0.0602	0.0603	1.00	0.111	pCi/L	09/19/23 10:13	10/12/23 09:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.164	U	0.316	0.316	1.00	0.548	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.192	U	0.322	0.322	5.00	0.548	pCi/L		10/12/23 14:53	1

Client Sample ID: MW2032/GE-1D

Date Collected: 09/12/23 15:25
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.368	I	0.122	0.126	1.00	0.0995	pCi/L	09/19/23 10:13	10/12/23 09:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.88		0.525	0.552	1.00	0.574	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*79.6*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.25	I	0.539	0.566	5.00	0.574	pCi/L		10/12/23 14:53	1

Client Sample ID: DUP-05

Date Collected: 09/12/23 14:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0876	U	0.0864	0.0868	1.00	0.135	pCi/L	09/19/23 10:13	10/12/23 09:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.247	U	0.312	0.312	1.00	0.518	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*80.4*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.335	U	0.324	0.324	5.00	0.518	pCi/L		10/12/23 14:53	1

Client Sample ID: DUP-06

Date Collected: 09/13/23 07:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.931	I	0.190	0.208	1.00	0.116	pCi/L	09/19/23 10:13	10/12/23 09:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*09/19/23 10:13*	*10/12/23 09:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.22		0.575	0.610	1.00	0.613	pCi/L	09/19/23 10:17	10/06/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*
Y Carrier	*76.6*		*30 - 110*	*09/19/23 10:17*	*10/06/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.15	I	0.606	0.644	5.00	0.613	pCi/L		10/12/23 14:53	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Qualifiers

Rad

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Client Sample ID: PZ-200S
Date Collected: 09/13/23 10:32
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631444	MLK	EET SL	10/11/23 19:02
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:35
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: PZ-200D
Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631642	FLC	EET SL	10/12/23 09:06
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: GSA-2S
Date Collected: 09/13/23 08:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631642	FLC	EET SL	10/12/23 09:06
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: PZ-201D
Date Collected: 09/12/23 16:55
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631642	FLC	EET SL	10/12/23 09:08
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Client Sample ID: PZ-203D
Date Collected: 09/12/23 15:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631642	FLC	EET SL	10/12/23 09:08
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: MW2032/GE-1D
Date Collected: 09/12/23 15:25
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631642	FLC	EET SL	10/12/23 09:09
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: DUP-05
Date Collected: 09/12/23 14:09
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631769	FLC	EET SL	10/12/23 09:16
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

Client Sample ID: DUP-06
Date Collected: 09/13/23 07:50
Date Received: 09/13/23 12:34

Lab Sample ID: 400-242672-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628685	KAC	EET SL	09/19/23 10:13
Total/NA	Analysis	9315		1	631769	FLC	EET SL	10/12/23 09:16
Total/NA	Prep	PrecSep_0			628686	KAC	EET SL	09/19/23 10:17
Total/NA	Analysis	9320		1	631028	FLC	EET SL	10/06/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	631783	SCB	EET SL	10/12/23 14:53

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Rad

Prep Batch: 628685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	PrecSep-21	
400-242672-6	PZ-200D	Total/NA	Water	PrecSep-21	
400-242672-7	GSA-2S	Total/NA	Water	PrecSep-21	
400-242672-8	PZ-201D	Total/NA	Water	PrecSep-21	
400-242672-9	PZ-203D	Total/NA	Water	PrecSep-21	
400-242672-10	MW2032/GE-1D	Total/NA	Water	PrecSep-21	
400-242672-11	DUP-05	Total/NA	Water	PrecSep-21	
400-242672-12	DUP-06	Total/NA	Water	PrecSep-21	
MB 160-628685/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-628685/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-264651-C-1-B MS	Matrix Spike	Total/NA	Water	PrecSep-21	
310-264651-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 628686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242672-5	PZ-200S	Total/NA	Water	PrecSep_0	
400-242672-6	PZ-200D	Total/NA	Water	PrecSep_0	
400-242672-7	GSA-2S	Total/NA	Water	PrecSep_0	
400-242672-8	PZ-201D	Total/NA	Water	PrecSep_0	
400-242672-9	PZ-203D	Total/NA	Water	PrecSep_0	
400-242672-10	MW2032/GE-1D	Total/NA	Water	PrecSep_0	
400-242672-11	DUP-05	Total/NA	Water	PrecSep_0	
400-242672-12	DUP-06	Total/NA	Water	PrecSep_0	
MB 160-628686/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-628686/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-264651-C-1-E MS	Matrix Spike	Total/NA	Water	PrecSep_0	
310-264651-C-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-628685/1-A
Matrix: Water
Analysis Batch: 631441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628685

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.009616	U	0.0482	0.0482	1.00	0.0995	pCi/L	09/19/23 10:13	10/11/23 18:56	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*09/19/23 10:13*	*10/11/23 18:56*	*1*

Lab Sample ID: LCS 160-628685/2-A
Matrix: Water
Analysis Batch: 631441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628685

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.42		1.12	1.00	0.130	pCi/L	92	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.4*		*30 - 110*

Lab Sample ID: 310-264651-C-1-B MS
Matrix: Water
Analysis Batch: 631770

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 628685

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.293	I	11.4	11.65		1.22	1.00	0.137	pCi/L	100	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*93.4*		*30 - 110*

Lab Sample ID: 310-264651-C-1-C MSD
Matrix: Water
Analysis Batch: 631770

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 628685

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.293	I	11.3	10.65		1.13	1.00	0.123	pCi/L	92	60 - 140	0.43	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.7*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-628686/1-A
Matrix: Water
Analysis Batch: 631028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628686

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4081	U	0.339	0.341	1.00	0.529	pCi/L	09/19/23 10:17	10/06/23 11:35	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110	09/19/23 10:17	10/06/23 11:35	1
Y Carrier	82.6		30 - 110	09/19/23 10:17	10/06/23 11:35	1

Lab Sample ID: LCS 160-628686/2-A
Matrix: Water
Analysis Batch: 631028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628686

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.82	8.773		1.23	1.00	0.468	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.4		30 - 110
Y Carrier	80.7		30 - 110

Lab Sample ID: 310-264651-C-1-E MS
Matrix: Water
Analysis Batch: 631026

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 628686

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.703	I	7.85	10.91		1.47	1.00	0.627	pCi/L	130	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	93.4		30 - 110
Y Carrier	79.3		30 - 110

Lab Sample ID: 310-264651-C-1-F MSD
Matrix: Water
Analysis Batch: 631026

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 628686

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.703	I	7.81	10.24		1.41	1.00	0.520	pCi/L	122	60 - 140	0.24	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	91.7		30 - 110
Y Carrier	76.6		30 - 110

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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400-242672 COC

Client Information	Sampler: RICK HAGEMEIER / TODD JUSTICE	Lab PM: Whitmire, Cheyenne R	COC No.: 400-122782-23631 1
Client Contact: Barry Evans	Phone: 402-517-0342	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:	Analysis Requested	Job #:
Address: BIN 731 One Energy Place	Due Date Requested:		Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; 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; Y - Trizma; Z - other (specify); Other:
City: Pensacola	TAT Requested (days):		
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No		
Phone: 850-444-6427(Tel)	PO #: 2000441641		
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117		
Project Name: CCR GCEC GSA Delineation Sampling	Project #: 40005424		
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E; SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of Containers	Special Instructions/Note:
			Preservation Code:			D	N	N	D	N	N		
PZ-200S	9-13-23	1032	G	Water	No	X	X	X	X	X	X		
PZ-200D	9-13-23	0850	G	Water	No	X	X	X	X	X	X		
GSA-2S	13 SEP 23	0850	G	Water	No	X	X	X	X	X	X		
PZ-201D	9-12-23	1655	G	Water	No	X	X	X	X	X	X		
PZ-203D	12 SEP 23	1509	G	Water	No	X	X	X	X	X	X		
MW2032/GE-1D	12 SEP 23	1925	G	Water	No	X	X	X	X	X	X		
DUP-05	12 SEP 23	1409	G	Water	No	X	X	X	X	X	X		
DUP-06	13 SEP 23	0730	G	Water	No	X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	9-13-23 1151	RDH ENV		9-13-23 1151	RDH ENV
	9-13-23 1229	RDH ENV		913-23 1234	Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C 0.0°C IR11

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242672-4
SDG Number:

Login Number: 242672
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.2°C, 3.6°C IR8, 2.2°C IR-8, 0.0°C, 0.0°C IR11
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242672-4
SDG Number:

Login Number: 242672
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/01/23 01:51 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	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242672-4
SDG Number:

Login Number: 242672
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 09/06/23 11:22 AM

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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242672-4
SDG Number:

Login Number: 242672
List Number: 4
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/15/23 03:19 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	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242672-4

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-23

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Generated 11/10/2023 9:31:41 AM Revision 1

JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient D

JOB NUMBER

400-242673-3

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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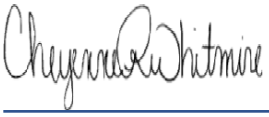
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Revision 1

Authorized for release by
Cheyenne Whitmire, Project Manager II
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(850)471-6222

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Job ID: 400-242673-3

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242673-3

Receipt
The samples were received on 8/30/2023 10:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.3º C, 1.7º C, 2.8º C, 2.9º C, 3.6º C, 4.1º C and 4.2º C.

Metals
Method 6020B: The following samples were diluted due to the abundance of non-target analytes: MW-200 (400-242673-11), MW-201 (400-242673-12), MW-206 (400-242673-13), FB-03 (400-242673-14) and EB-03 (400-242673-15). Elevated reporting limits (RLs) are provided.

Method 6020B: The continuing calibration blank (CCB) for analytical batch 400-642873 contained Boron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

General Chemistry
Method SM 4500 F C: matrix spike and matrix spike duplicate samples were not spiked at the method reporting limit due to analyst error. See internal comments for further details; MS/MSD recoveries reflect the actual spike amounts used. (400-242673-B-11 MS) and (400-242673-B-11 MSD)

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-642514 and analytical batch 400-641531 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-640514 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-640429 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-201 (400-242673-12), MW-206 (400-242673-13), FB-03 (400-242673-14) and EB-03 (400-242673-15). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-640903 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-641531 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: FB-03 (400-242673-14), EB-03 (400-242673-15), (400-242673-B-14 MS) and (400-242673-B-14 MSD). Elevated reporting limits (RLs) are provided.

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

Revision
The report being provided is a revision of the original report sent on 10/11/2023. The report (revision 1) is being revised due to: Client requested MW-206 to be reported at a lower diultion for Cr and Pb.

Job ID: 400-242673-3 (Continued)

Laboratory: Eurofins Pensacola (Continued)

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-200 — Lab Sample ID: 400-242673-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.018		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.16		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	5.1		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.00069	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0011	I	0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	70		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	15		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	12		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.91				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-201 — Lab Sample ID: 400-242673-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.014		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.86		0.50	0.29	mg/L	50		6020B	Total Recoverable
Calcium	35		0.25	0.13	mg/L	5		6020B	Total Recoverable
Selenium	0.0015		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	25		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	71		10	2.8	mg/L	2		SM 4500 SO4 E	Total/NA
Field pH	4.89				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-206 — Lab Sample ID: 400-242673-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0027		0.0013	0.0012	mg/L	5		6020B	Total Recoverable
Barium	0.024		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Beryllium	0.00042	I	0.0025	0.00028	mg/L	5		6020B	Total Recoverable
Boron	5.9		2.5	1.5	mg/L	250		6020B	Total Recoverable
Calcium	61		13	6.3	mg/L	250		6020B	Total Recoverable
Cobalt	0.0074		0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Lead	0.0016		0.0013	0.00081	mg/L	5		6020B	Total Recoverable
Selenium	0.0099		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	580		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	88		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.19		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	1100		500	140	mg/L	100		SM 4500 SO4 E	Total/NA
Field pH	5.21				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: FB-03 — Lab Sample ID: 400-242673-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.042		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	3.1		0.50	0.29	mg/L	50		6020B	Total Recoverable
Calcium	49		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0018	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Molybdenum	0.0041	I	0.015	0.00046	mg/L	5		6020B	Total Recoverable
Selenium	0.0053		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	380		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	59		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	160		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA

Client Sample ID: EB-03 — Lab Sample ID: 400-242673-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	3.2		0.50	0.29	mg/L	50		6020B	Total Recoverable
Calcium	49		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0018	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Molybdenum	0.0029	I	0.015	0.00046	mg/L	5		6020B	Total Recoverable
Selenium	0.0026		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	370		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	59		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	150		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242673-11	MW-200	Water	09/08/23 11:26	09/08/23 15:10
400-242673-12	MW-201	Water	09/08/23 08:11	09/08/23 15:10
400-242673-13	MW-206	Water	09/08/23 09:33	09/08/23 15:10
400-242673-14	FB-03	Water	09/08/23 10:36	09/08/23 15:10
400-242673-15	EB-03	Water	09/08/23 10:41	09/08/23 15:10

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-200

Date Collected: 09/08/23 11:26
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-11

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 01:47	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 01:47	5
Barium	**0.018**		0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 01:47	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 01:47	5
Boron	**0.16**		0.050	0.029	mg/L		09/25/23 12:28	09/29/23 18:50	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 01:47	5
Calcium	**5.1**		0.25	0.13	mg/L		09/25/23 12:28	09/27/23 01:47	5
Chromium	0.021	U	0.025	0.021	mg/L		09/25/23 12:28	09/28/23 06:47	50
Cobalt	**0.00069**	**I**	0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 01:47	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/25/23 12:28	09/28/23 06:47	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 01:47	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 01:47	5
Selenium	**0.0011**	**I**	0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 01:47	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 01:47	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 15:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**70**		5.0	5.0	mg/L			09/11/23 14:09	1
Chloride (SM 4500 Cl- E)	**15**		2.0	1.4	mg/L			09/11/23 11:54	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/12/23 10:05	1
Sulfate (SM 4500 SO4 E)	**12**		5.0	1.4	mg/L			09/09/23 17:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.91**				SU			09/08/23 10:26	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-201

Date Collected: 09/08/23 08:11
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-12

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 01:50	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 01:50	5
Barium	**0.014**		0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 01:50	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 01:50	5
Boron	**0.86**		0.50	0.29	mg/L		09/25/23 12:28	09/28/23 06:50	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 01:50	5
Calcium	**35**		0.25	0.13	mg/L		09/25/23 12:28	09/27/23 01:50	5
Chromium	0.021	U	0.025	0.021	mg/L		09/25/23 12:28	09/28/23 06:50	50
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 01:50	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/25/23 12:28	09/28/23 06:50	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 01:50	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 01:50	5
Selenium	**0.0015**		0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 01:50	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 01:50	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 15:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		5.0	5.0	mg/L			09/11/23 14:09	1
Chloride (SM 4500 Cl- E)	**25**		2.0	1.4	mg/L			09/11/23 11:55	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/12/23 10:05	1
Sulfate (SM 4500 SO4 E)	**71**		10	2.8	mg/L			09/09/23 17:30	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.89**				SU			09/08/23 07:11	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-206

Date Collected: 09/08/23 09:33
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-13

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 01:53	5
Arsenic	**0.0027**		0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 01:53	5
Barium	**0.024**		0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 01:53	5
Beryllium	**0.00042**	**I**	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 01:53	5
Boron	**5.9**		2.5	1.5	mg/L		09/25/23 12:28	09/28/23 06:53	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 01:53	5
Calcium	**61**		13	6.3	mg/L		09/25/23 12:28	09/28/23 06:53	250
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 12:28	09/27/23 01:53	5
Cobalt	**0.0074**		0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 01:53	5
Lead	**0.0016**		0.0013	0.00081	mg/L		09/25/23 12:28	09/27/23 01:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 01:53	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 01:53	5
Selenium	**0.0099**		0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 01:53	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 01:53	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 15:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**580**		5.0	5.0	mg/L			09/11/23 14:09	1
Chloride (SM 4500 Cl- E)	**88**		2.0	1.4	mg/L			09/11/23 11:55	1
Fluoride (SM 4500 F C)	**0.19**		0.10	0.070	mg/L			09/12/23 10:05	1
Sulfate (SM 4500 SO4 E)	**1100**		500	140	mg/L			09/09/23 18:37	100

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.21**				SU			09/08/23 08:33	1

Client Sample ID: FB-03

Date Collected: 09/08/23 10:36
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-14

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 01:56	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 01:56	5
Barium	**0.042**		0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 01:56	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 01:56	5
Boron	**3.1**		0.50	0.29	mg/L		09/25/23 12:28	09/28/23 06:56	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 01:56	5
Calcium	**49**		0.25	0.13	mg/L		09/25/23 12:28	09/27/23 01:56	5
Chromium	0.021	U	0.025	0.021	mg/L		09/25/23 12:28	09/28/23 06:56	50
Cobalt	**0.0018**	**I**	0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 01:56	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/25/23 12:28	09/28/23 06:56	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 01:56	5
Molybdenum	**0.0041**	**I**	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 01:56	5
Selenium	**0.0053**		0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 01:56	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 01:56	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 15:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**380**		5.0	5.0	mg/L			09/11/23 14:09	1
Chloride (SM 4500 Cl- E)	**59**		2.0	1.4	mg/L			09/11/23 11:56	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/12/23 10:05	1
Sulfate (SM 4500 SO4 E)	**160**		25	7.0	mg/L			09/18/23 15:22	5

Client Sample ID: EB-03

Date Collected: 09/08/23 10:41
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-15

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 01:59	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 01:59	5
Barium	**0.040**		0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 01:59	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 01:59	5
Boron	**3.2**		0.50	0.29	mg/L		09/25/23 12:28	09/28/23 06:59	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 01:59	5
Calcium	**49**		0.25	0.13	mg/L		09/25/23 12:28	09/27/23 01:59	5
Chromium	0.021	U	0.025	0.021	mg/L		09/25/23 12:28	09/28/23 06:59	50
Cobalt	**0.0018**	**I**	0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 01:59	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/25/23 12:28	09/28/23 06:59	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 01:59	5
Molybdenum	**0.0029**	**I**	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 01:59	5
Selenium	**0.0026**		0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 01:59	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 01:59	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 15:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**370**		5.0	5.0	mg/L			09/11/23 14:09	1
Chloride (SM 4500 Cl- E)	**59**		2.0	1.4	mg/L			09/11/23 11:56	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/12/23 10:05	1
Sulfate (SM 4500 SO4 E)	**150**		25	7.0	mg/L			09/18/23 14:32	5

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 09/08/23 11:26
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642873	NTH	EET PEN	09/27/23 01:47
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642882	NTH	EET PEN	09/27/23 01:47
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 06:47
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	643529	NTH	EET PEN	09/29/23 18:50
Total/NA	Prep	7470A			640489	NET	EET PEN	09/11/23 11:02 - 09/11/23 17:05 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:05
Total/NA	Analysis	SM 2540C		1	640542	HA	EET PEN	09/11/23 14:09
Total/NA	Analysis	SM 4500 Cl- E		1	640514	CJK	EET PEN	09/11/23 11:54
Total/NA	Analysis	SM 4500 F C		1	640645	JP	EET PEN	09/12/23 10:05
Total/NA	Analysis	SM 4500 SO4 E		1	640429	CJK	EET PEN	09/09/23 17:04
Total/NA	Analysis	Field Sampling		1	645010	UT	EET PEN	09/08/23 10:26

Client Sample ID: MW-201
Date Collected: 09/08/23 08:11
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642873	NTH	EET PEN	09/27/23 01:50
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642882	NTH	EET PEN	09/27/23 01:50
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 06:50
Total/NA	Prep	7470A			640489	NET	EET PEN	09/11/23 11:02 - 09/11/23 17:05 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:06
Total/NA	Analysis	SM 2540C		1	640542	HA	EET PEN	09/11/23 14:09
Total/NA	Analysis	SM 4500 Cl- E		1	640514	CJK	EET PEN	09/11/23 11:55
Total/NA	Analysis	SM 4500 F C		1	640645	JP	EET PEN	09/12/23 10:05
Total/NA	Analysis	SM 4500 SO4 E		2	640429	CJK	EET PEN	09/09/23 17:30
Total/NA	Analysis	Field Sampling		1	645010	UT	EET PEN	09/08/23 07:11

Client Sample ID: MW-206
Date Collected: 09/08/23 09:33
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642873	NTH	EET PEN	09/27/23 01:53
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642882	NTH	EET PEN	09/27/23 01:53

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: MW-206
Date Collected: 09/08/23 09:33
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		250	643326	NTH	EET PEN	09/28/23 06:53
Total/NA	Prep	7470A			640489	NET	EET PEN	09/11/23 11:02 - 09/11/23 17:05 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:07
Total/NA	Analysis	SM 2540C		1	640542	HA	EET PEN	09/11/23 14:09
Total/NA	Analysis	SM 4500 Cl- E		1	640514	CJK	EET PEN	09/11/23 11:55
Total/NA	Analysis	SM 4500 F C		1	640645	JP	EET PEN	09/12/23 10:05
Total/NA	Analysis	SM 4500 SO4 E		100	640429	CJK	EET PEN	09/09/23 18:37
Total/NA	Analysis	Field Sampling		1	645010	UT	EET PEN	09/08/23 08:33

Client Sample ID: FB-03
Date Collected: 09/08/23 10:36
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642873	NTH	EET PEN	09/27/23 01:56
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642882	NTH	EET PEN	09/27/23 01:56
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 06:56
Total/NA	Prep	7470A			640489	NET	EET PEN	09/11/23 11:02 - 09/11/23 17:05 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:09
Total/NA	Analysis	SM 2540C		1	640542	HA	EET PEN	09/11/23 14:09
Total/NA	Analysis	SM 4500 Cl- E		1	640514	CJK	EET PEN	09/11/23 11:56
Total/NA	Analysis	SM 4500 F C		1	640645	JP	EET PEN	09/12/23 10:05
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:22

Client Sample ID: EB-03
Date Collected: 09/08/23 10:41
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642873	NTH	EET PEN	09/27/23 01:59
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		5	642882	NTH	EET PEN	09/27/23 01:59
Total Recoverable	Prep	3005A			642514	KWN	EET PEN	09/25/23 12:28 - 09/25/23 17:39 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 06:59
Total/NA	Prep	7470A			640489	NET	EET PEN	09/11/23 11:02 - 09/11/23 17:05 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:12
Total/NA	Analysis	SM 2540C		1	640542	HA	EET PEN	09/11/23 14:09
Total/NA	Analysis	SM 4500 Cl- E		1	640514	CJK	EET PEN	09/11/23 11:56
Total/NA	Analysis	SM 4500 F C		1	640645	JP	EET PEN	09/12/23 10:05

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Client Sample ID: EB-03
Date Collected: 09/08/23 10:41
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 14:32

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 640489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	7470A	
400-242673-12	MW-201	Total/NA	Water	7470A	
400-242673-13	MW-206	Total/NA	Water	7470A	
400-242673-14	FB-03	Total/NA	Water	7470A	
400-242673-15	EB-03	Total/NA	Water	7470A	
MB 400-640489/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-640489/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-243116-C-9-B MS	Matrix Spike	Total/NA	Water	7470A	
400-243116-C-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 640755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	7470A	640489
400-242673-12	MW-201	Total/NA	Water	7470A	640489
400-242673-13	MW-206	Total/NA	Water	7470A	640489
400-242673-14	FB-03	Total/NA	Water	7470A	640489
400-242673-15	EB-03	Total/NA	Water	7470A	640489
MB 400-640489/14-A	Method Blank	Total/NA	Water	7470A	640489
LCS 400-640489/15-A	Lab Control Sample	Total/NA	Water	7470A	640489
400-243116-C-9-B MS	Matrix Spike	Total/NA	Water	7470A	640489
400-243116-C-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	640489

Prep Batch: 642514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total Recoverable	Water	3005A	
400-242673-12	MW-201	Total Recoverable	Water	3005A	
400-242673-13	MW-206	Total Recoverable	Water	3005A	
400-242673-14	FB-03	Total Recoverable	Water	3005A	
400-242673-15	EB-03	Total Recoverable	Water	3005A	
MB 400-642514/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-642514/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-242673-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-242673-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 642873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total Recoverable	Water	6020B	642514
400-242673-12	MW-201	Total Recoverable	Water	6020B	642514
400-242673-13	MW-206	Total Recoverable	Water	6020B	642514
400-242673-14	FB-03	Total Recoverable	Water	6020B	642514
400-242673-15	EB-03	Total Recoverable	Water	6020B	642514
400-242673-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	6020B	642514
400-242673-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020B	642514

Analysis Batch: 642882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total Recoverable	Water	6020B	642514
400-242673-12	MW-201	Total Recoverable	Water	6020B	642514
400-242673-13	MW-206	Total Recoverable	Water	6020B	642514
400-242673-14	FB-03	Total Recoverable	Water	6020B	642514
400-242673-15	EB-03	Total Recoverable	Water	6020B	642514

Metals (Continued)

Analysis Batch: 642882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-642514/1-A ^5	Method Blank	Total Recoverable	Water	6020B	642514

Analysis Batch: 643326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total Recoverable	Water	6020B	642514
400-242673-12	MW-201	Total Recoverable	Water	6020B	642514
400-242673-13	MW-206	Total Recoverable	Water	6020B	642514
400-242673-14	FB-03	Total Recoverable	Water	6020B	642514
400-242673-15	EB-03	Total Recoverable	Water	6020B	642514

Analysis Batch: 643438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-642514/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	642514

Analysis Batch: 643529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total Recoverable	Water	6020B	642514

General Chemistry

Analysis Batch: 640429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	SM 4500 SO4 E	
400-242673-12	MW-201	Total/NA	Water	SM 4500 SO4 E	
400-242673-13	MW-206	Total/NA	Water	SM 4500 SO4 E	
MB 400-640429/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-640429/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-640429/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-242673-13 MS	MW-206	Total/NA	Water	SM 4500 SO4 E	
400-242673-13 MSD	MW-206	Total/NA	Water	SM 4500 SO4 E	
400-242673-B-7 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-242673-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 640514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	SM 4500 Cl- E	
400-242673-12	MW-201	Total/NA	Water	SM 4500 Cl- E	
400-242673-13	MW-206	Total/NA	Water	SM 4500 Cl- E	
400-242673-14	FB-03	Total/NA	Water	SM 4500 Cl- E	
400-242673-15	EB-03	Total/NA	Water	SM 4500 Cl- E	
MB 400-640514/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-640514/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-640514/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-243152-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-243152-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 640542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	SM 2540C	
400-242673-12	MW-201	Total/NA	Water	SM 2540C	
400-242673-13	MW-206	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 640542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-14	FB-03	Total/NA	Water	SM 2540C	
400-242673-15	EB-03	Total/NA	Water	SM 2540C	
MB 400-640542/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-640542/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-242673-11 DU	MW-200	Total/NA	Water	SM 2540C	

Analysis Batch: 640645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	SM 4500 F C	
400-242673-12	MW-201	Total/NA	Water	SM 4500 F C	
400-242673-13	MW-206	Total/NA	Water	SM 4500 F C	
400-242673-14	FB-03	Total/NA	Water	SM 4500 F C	
400-242673-15	EB-03	Total/NA	Water	SM 4500 F C	
MB 400-640645/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-640645/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-640645/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-242673-11 MS	MW-200	Total/NA	Water	SM 4500 F C	
400-242673-11 MSD	MW-200	Total/NA	Water	SM 4500 F C	
400-243116-B-3 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 641531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-14	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-242673-15	EB-03	Total/NA	Water	SM 4500 SO4 E	
MB 400-641531/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-641531/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-641531/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-242673-14 MS	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-242673-14 MSD	FB-03	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 645010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	Field Sampling	
400-242673-12	MW-201	Total/NA	Water	Field Sampling	
400-242673-13	MW-206	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-642514/1-A ^5
Matrix: Water
Analysis Batch: 642882

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 642514

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 12:28	09/27/23 00:14	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 12:28	09/27/23 00:14	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/25/23 12:28	09/27/23 00:14	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 12:28	09/27/23 00:14	5
Boron	0.029	U	0.050	0.029	mg/L		09/25/23 12:28	09/27/23 00:14	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 12:28	09/27/23 00:14	5
Calcium	0.13	U	0.25	0.13	mg/L		09/25/23 12:28	09/27/23 00:14	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 12:28	09/27/23 00:14	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 12:28	09/27/23 00:14	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 12:28	09/27/23 00:14	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 12:28	09/27/23 00:14	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 12:28	09/27/23 00:14	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/25/23 12:28	09/27/23 00:14	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 12:28	09/27/23 00:14	5

Lab Sample ID: LCS 400-642514/2-A ^5
Matrix: Water
Analysis Batch: 643438

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 642514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0516		mg/L		103	80 - 120
Arsenic	0.0500	0.0479		mg/L		96	80 - 120
Barium	0.0500	0.0549		mg/L		110	80 - 120
Beryllium	0.0500	0.0492		mg/L		98	80 - 120
Boron	0.100	0.111		mg/L		111	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	5.00	4.96		mg/L		99	80 - 120
Chromium	0.0500	0.0504		mg/L		101	80 - 120
Cobalt	0.0500	0.0484		mg/L		97	80 - 120
Lead	0.0500	0.0497		mg/L		99	80 - 120
Lithium	0.0500	0.0481		mg/L		96	80 - 120
Molybdenum	0.0500	0.0489		mg/L		98	80 - 120
Selenium	0.0500	0.0472		mg/L		94	80 - 120
Thallium	0.0100	0.00962		mg/L		96	80 - 120

Lab Sample ID: 400-242673-C-1-C MS ^5
Matrix: Water
Analysis Batch: 642873

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 642514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00050	U	0.0500	0.0547		mg/L		109	75 - 125
Arsenic	0.0012	U	0.0500	0.0520		mg/L		104	75 - 125
Barium	0.085	J3	0.0500	0.141		mg/L		112	75 - 125
Beryllium	0.00028	U	0.0500	0.0510		mg/L		102	75 - 125
Boron	8.6	L J3	0.100	9.51	L J3	mg/L		890	75 - 125
Cadmium	0.00065	U	0.0500	0.0516		mg/L		103	75 - 125
Calcium	530	L	5.00	583	L J3	mg/L		1018	75 - 125
Chromium	0.0080		0.0500	0.0630		mg/L		110	75 - 125
Cobalt	0.00056	U	0.0500	0.0493		mg/L		99	75 - 125

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

Lab Sample ID: 400-242673-C-1-C MS ^5
Matrix: Water
Analysis Batch: 642873

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 642514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00081	U	0.0500	0.0523		mg/L		105	75 - 125
Lithium	0.012		0.0500	0.0622		mg/L		100	75 - 125
Molybdenum	0.00046	U	0.0500	0.0538		mg/L		108	75 - 125
Selenium	0.0011	I	0.0500	0.0467		mg/L		91	75 - 125
Thallium	0.00011	U	0.0100	0.0101		mg/L		101	75 - 125

Lab Sample ID: 400-242673-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 642873

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 642514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00050	U	0.0500	0.0546		mg/L		109	75 - 125	0	20
Arsenic	0.0012	U	0.0500	0.0517		mg/L		103	75 - 125	1	20
Barium	0.085	J3	0.0500	0.146		mg/L		121	75 - 125	3	20
Beryllium	0.00028	U	0.0500	0.0507		mg/L		101	75 - 125	1	20
Boron	8.6	L J3	0.100	9.48	L J3	mg/L		862	75 - 125	0	20
Cadmium	0.00065	U	0.0500	0.0500		mg/L		100	75 - 125	3	20
Calcium	530	L	5.00	573	L J3	mg/L		807	75 - 125	2	20
Chromium	0.0080		0.0500	0.0612		mg/L		106	75 - 125	3	20
Cobalt	0.00056	U	0.0500	0.0495		mg/L		99	75 - 125	0	20
Lead	0.00081	U	0.0500	0.0503		mg/L		101	75 - 125	4	20
Lithium	0.012		0.0500	0.0594		mg/L		94	75 - 125	5	20
Molybdenum	0.00046	U	0.0500	0.0506		mg/L		101	75 - 125	6	20
Selenium	0.0011	I	0.0500	0.0387		mg/L		75	75 - 125	19	20
Thallium	0.00011	U	0.0100	0.00980		mg/L		98	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-640489/14-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640489

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/11/23 11:02	09/12/23 14:58	1

Lab Sample ID: LCS 400-640489/15-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000920		mg/L		92	80 - 120

Lab Sample ID: 400-243116-C-9-B MS
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 640489

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00200	0.00182		mg/L		91	80 - 120

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

Lab Sample ID: 400-243116-C-9-C MSD
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 640489

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00200	0.00181		mg/L		91	80 - 120	1	20

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

Lab Sample ID: MB 400-640542/1
Matrix: Water
Analysis Batch: 640542

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/11/23 14:09	1

Lab Sample ID: LCS 400-640542/2
Matrix: Water
Analysis Batch: 640542

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	293	286		mg/L		98	78 - 122

Lab Sample ID: 400-242673-11 DU
Matrix: Water
Analysis Batch: 640542

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	70		70.0		mg/L		0	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-640514/13
Matrix: Water
Analysis Batch: 640514

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/11/23 11:37	1

Lab Sample ID: LCS 400-640514/14
Matrix: Water
Analysis Batch: 640514

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	53.0		mg/L		106	90 - 110

Lab Sample ID: MRL 400-640514/15
Matrix: Water
Analysis Batch: 640514

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.82	I	mg/L		91	50 - 150

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-243152-B-1 MS
Matrix: Water
Analysis Batch: 640514

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	170		10.0	178	J3	mg/L		71	73 - 120

Lab Sample ID: 400-243152-B-1 MSD
Matrix: Water
Analysis Batch: 640514

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	170		10.0	177	J3	mg/L		53	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-640645/10
Matrix: Water
Analysis Batch: 640645

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			09/12/23 10:05	1

Lab Sample ID: LCS 400-640645/12
Matrix: Water
Analysis Batch: 640645

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.44		mg/L		109	90 - 110

Lab Sample ID: MRL 400-640645/11
Matrix: Water
Analysis Batch: 640645

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0913	I	mg/L		91	50 - 150

Lab Sample ID: 400-242673-11 MS
Matrix: Water
Analysis Batch: 640645

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.070	U	0.200	0.188		mg/L		94	75 - 125

Lab Sample ID: 400-242673-11 MSD
Matrix: Water
Analysis Batch: 640645

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.200	0.196		mg/L		98	75 - 125	4	4

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-243116-B-3 DU
Matrix: Water
Analysis Batch: 640645

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.22		0.220		mg/L		0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-640429/12
Matrix: Water
Analysis Batch: 640429

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/09/23 16:50	1

Lab Sample ID: LCS 400-640429/13
Matrix: Water
Analysis Batch: 640429

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	15.3		mg/L		102	90 - 110

Lab Sample ID: 400-242673-13 MS
Matrix: Water
Analysis Batch: 640429

Client Sample ID: MW-206
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	1100		10.0	1.4	U J3	mg/L		0	77 - 128

Lab Sample ID: 400-242673-13 MSD
Matrix: Water
Analysis Batch: 640429

Client Sample ID: MW-206
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1100		10.0	1.4	U J3	mg/L		0	77 - 128	NC	5

Lab Sample ID: 400-242673-B-7 MS
Matrix: Water
Analysis Batch: 640429

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	1.4	U	10.0	9.25		mg/L		92	77 - 128

Lab Sample ID: 400-242673-B-7 MSD
Matrix: Water
Analysis Batch: 640429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	9.26		mg/L		93	77 - 128	0	5

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: MB 400-641531/12
Matrix: Water
Analysis Batch: 641531

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/18/23 13:56	1

Lab Sample ID: LCS 400-641531/13
Matrix: Water
Analysis Batch: 641531

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	15.8		mg/L		105	90 - 110		

Lab Sample ID: MRL 400-641531/14
Matrix: Water
Analysis Batch: 641531

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	3.47	I	mg/L		69	50 - 150		

Lab Sample ID: 400-242673-14 MS
Matrix: Water
Analysis Batch: 641531

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	160		50.0	170	J3	mg/L		13	77 - 128		

Lab Sample ID: 400-242673-14 MSD
Matrix: Water
Analysis Batch: 641531

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	160		50.0	168	J3	mg/L		8	77 - 128	1	5

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3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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400-242673 COC

Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carr	COC No: 400-122780-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	Stat	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Downgradient D	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	[illegible]	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code				D	N	N	D	N	N		
MW-200	9-8-23	1126	G	Water	No		X	X	X	X	X	X		
MW-201	9-8-23	0811	G	Water	No		X	X	X	X	X	X		
MW-206	9-8-23	0933	G	Water	No		X	X	X	X	X	X		
FB-03	9-8-23	1036	G	Water	No		X	X		X	X	X		
EB-03	9-8-23	1041	G	water	No		X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify) LEVEL II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	9-8-23 1510	RDA ENV.	T. Earnest	9/8/23 1510	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks
		4.1°C IR10 0.3°C

Ver: 06/08/2021

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer / TODD Vorejs	Lab PM: Whitmire, Cheyenne R	Carrier:	400-242673 COC	COC No: 400-122637-29464.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of:		Page: Page 1 of 1
Company: Florida Power and Light	PWSID:				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:				
City: Pensacola	TAT Requested (days):				
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No				
Phone: 850-444-6427(Tel)	PO #: 2000441641				
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117				
Project Name: CCR Smith Plant	Project #: 40006609				
Site: Florida	SSOW#:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, 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, Y - Trizma, 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)	4500_F_C - Fluoride	6020, 7470A	2540C - TDS	SM4500_SO4_E - Sulfate	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	FieldSampling - Field Sampling Parameters	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	D	N	N	D	N	N		
MW-08R				Water										No Sample collected
MW-10R	8-29-23	1150	G	Water	NO	X	X	X	X	X	X	X		
MW-13R				Water										No Sample collected
MW-09R	8-29-23	1416	G	Water	NO	X	X	X	X	X	X	X		
MW-11R	8-28-23	1815	G	Water	NO	X	X	X	X	X	X	X		
MW-14R	8-29-23	1658	G	Water	NO	X	X	X	X	X	X	X		
DUP-02	8-29-23	1050	G	Water	NO	X	X	X	X	X	X	X		
FB-01	8-29-23	1440	G	Water	NO	X	X	X	X	X	X	X		
EB-01	8-29-23	1444	G	Water	NO	X	X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify): Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	8-30-23 0810	RDH ENV.	Kirsten Hagendorfer	8-30-23 0810	RDH ENV.
2	Kirsten Hagendorfer	8/30/23 1033	RDH	[signature]	8/30/23 1033	ECS
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 4.2, 3.6, 2.8, 2.9 IR8

Ver: 06/08/2021

11/10/2023 (Rev. 1)

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3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: Rice Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s).	COC No: 400-122637-29464.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et eurofinsus.com	State of Origin	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Smith Plant Downgradient	Project #: 40006609			
Site: Florida	SSOW#:			

Analysis Requested

400-242673 COC

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)	[illegible]	4500_F_C - Fluoride	6020, 7470A	2540C - TDS	SM4500_SO4_E - Sulfate	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	FieldSampling - Field Sampling Parameters	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	N	N	D	N	N		
MW-08R	8-31-23	1028	G	Water	No		X	X	X	X	X	X	X	3	
~~MW-10R~~ RDH 9-1-23				Water											
MW-13R	8-31-23	1336	G	Water	No		X	X	X	X	X	X	X	3	
~~MW-09R~~ RDH 9-1-23				Water											
~~MW-11R~~ RDH 9-1-23				Water											
~~MW-14R~~ RDH 9-1-23				Water											
DUP-03	8-31-23	0928	G	Water	No		X	X	X	X	X	X	X	3	
				Water											

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-1-23 1047	RDH ENV.	[signature]	9-1-23 1047	RDHENV
[signature]	9-1-23 1145	RDHENV	[signature]	9/1/23 1145	EES

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.7° C JR 8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242673-3
SDG Number: Downgradient D

Login Number: 242673
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.2°C, 3.6°C, 2.8°C, 2.9°C IR8, 1.7°C IR-8, 4.1°C, 0.3°C IR10
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Downgradient D

JOB NUMBER

400-242673-4

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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Job Notes

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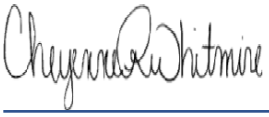

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Authorized for release by
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

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Certification Summary 20

Job ID: 400-242673-4

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242673-4

Receipt
The samples were received on 8/30/2023 10:33 AM, 9/1/2023 11:45 AM and 9/8/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.3°C, 1.7°C, 2.8°C, 2.9°C, 3.6°C, 4.1°C and 4.2°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 batch 628013. 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-200 (400-242673-11), MW-201 (400-242673-12), MW-206 (400-242673-13), FB-03 (400-242673-14), EB-03 (400-242673-15), (LCS 160-628013/2-A), (MB 160-628013/1-A), (400-243166-A-1-A) and (400-243166-A-1-B DU)

Method 9320_Ra228: Radium-228 batch 628017. 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-200 (400-242673-11), MW-201 (400-242673-12), MW-206 (400-242673-13), FB-03 (400-242673-14), EB-03 (400-242673-15), (LCS 160-628017/2-A), (MB 160-628017/1-A), (400-243166-A-1-C) and (400-243166-A-1-D DU)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242673-11	MW-200	Water	09/08/23 11:26	09/08/23 15:10
400-242673-12	MW-201	Water	09/08/23 08:11	09/08/23 15:10
400-242673-13	MW-206	Water	09/08/23 09:33	09/08/23 15:10
400-242673-14	FB-03	Water	09/08/23 10:36	09/08/23 15:10
400-242673-15	EB-03	Water	09/08/23 10:41	09/08/23 15:10

Client Sample ID: MW-200

Date Collected: 09/08/23 11:26
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.317**	**I**	0.160	0.163	1.00	0.189	pCi/L	09/14/23 09:58	10/06/23 19:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.680	U	0.481	0.485	1.00	0.730	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*76.6*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.997**	**I**	0.507	0.512	5.00	0.730	pCi/L		10/09/23 12:20	1

Client Sample ID: MW-201

Date Collected: 09/08/23 08:11
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.621	I	0.190	0.199	1.00	0.173	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.03		0.495	0.529	1.00	0.484	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.65	I	0.530	0.565	5.00	0.484	pCi/L		10/09/23 12:20	1

Client Sample ID: MW-206

Date Collected: 09/08/23 09:33
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.17		0.253	0.274	1.00	0.187	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.97		0.865	1.13	1.00	0.525	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*82.6*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	9.15		0.901	1.16	5.00	0.525	pCi/L		10/09/23 12:20	1

Client Sample ID: FB-03

Date Collected: 09/08/23 10:36
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.07		0.247	0.265	1.00	0.202	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.830	I	0.380	0.387	1.00	0.504	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*83.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.90	I	0.453	0.469	5.00	0.504	pCi/L		10/09/23 12:20	1

Client Sample ID: EB-03

Date Collected: 09/08/23 10:41
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.42		0.296	0.323	1.00	0.222	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.392	0.404	1.00	0.468	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*85.6*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.48	I	0.491	0.517	5.00	0.468	pCi/L		10/09/23 12:20	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

Qualifiers

Rad

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 09/08/23 11:26
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631026	FLC	EET SL	10/06/23 19:16
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: MW-201
Date Collected: 09/08/23 08:11
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: MW-206
Date Collected: 09/08/23 09:33
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: FB-03
Date Collected: 09/08/23 10:36
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

Client Sample ID: EB-03

Date Collected: 09/08/23 10:41
Date Received: 09/08/23 15:10

Lab Sample ID: 400-242673-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Laboratory References:

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

Rad

Prep Batch: 628013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	PrecSep-21	
400-242673-12	MW-201	Total/NA	Water	PrecSep-21	
400-242673-13	MW-206	Total/NA	Water	PrecSep-21	
400-242673-14	FB-03	Total/NA	Water	PrecSep-21	
400-242673-15	EB-03	Total/NA	Water	PrecSep-21	
MB 160-628013/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-628013/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
400-243166-A-1-B DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 628017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242673-11	MW-200	Total/NA	Water	PrecSep_0	
400-242673-12	MW-201	Total/NA	Water	PrecSep_0	
400-242673-13	MW-206	Total/NA	Water	PrecSep_0	
400-242673-14	FB-03	Total/NA	Water	PrecSep_0	
400-242673-15	EB-03	Total/NA	Water	PrecSep_0	
MB 160-628017/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-628017/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
400-243166-A-1-D DU	Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-628013/1-A
Matrix: Water
Analysis Batch: 631026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628013

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02388	U	0.0825	0.0826	1.00	0.164	pCi/L	09/14/23 09:58	10/06/23 15:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 09:58*	*10/06/23 15:52*	*1*

Lab Sample ID: LCS 160-628013/2-A
Matrix: Water
Analysis Batch: 631000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628013

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.03		1.13	1.00	0.185	pCi/L	89	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*

Lab Sample ID: 400-243166-A-1-B DU
Matrix: Water
Analysis Batch: 631027

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 628013

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	2.21			2.287		0.419	1.00	0.207	pCi/L			0.1	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-628017/1-A
Matrix: Water
Analysis Batch: 630700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628017

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1879	U	0.373	0.373	1.00	0.642	pCi/L	09/14/23 10:07	10/04/23 12:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:15*	*1*
Y Carrier	*80.7*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:15*	*1*

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

Lab Sample ID: LCS 160-628017/2-A
Matrix: Water
Analysis Batch: 630700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628017

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.83	8.287		1.18	1.00	0.639	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: 400-243166-A-1-D DU
Matrix: Water
Analysis Batch: 630700

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 628017

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	2.91			3.107		0.704	1.00	0.559	pCi/L			0.15	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.8*		*30 - 110*
Y Carrier	*73.6*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

400-242673 COC

Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carr:
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	Stat:
Company: Florida Power and Light	PWSID:		
Address: BIN 731 One Energy Place	Due Date Requested:		
City: Pensacola	TAT Requested (days):		
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No		
Phone: 850-444-6427(Tel)	PO #: 2000441641		
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117		
Project Name: CCR GCEC Downgradient D	Project #: 40005424		
Site:	SSOW#:		

COC No: 400-122780-23630.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	[illegible]	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code				D	N	N	D	N	N		
MW-200	9-8-23	1126	G	Water	No		X	X	X	X	X	X		
MW-201	9-8-23	0811	G	Water	No		X	X	X	X	X	X		
MW-206	9-8-23	0933	G	Water	No		X	X	X	X	X	X		
FB-03	9-8-23	1036	G	Water	No		X	X		X	X	X		
EB-03	9-8-23	1041	G	water	No		X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify) LEVEL II Reports and Associated EDDs

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	9-8-23 1510	RDA ENV.	T. Earnest	9/8/23 1510	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.1°C IR10 0.3°C

Ver: 06/08/2021

10/9/2023

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-242673-4
SDG Number: Downgradient D

Login Number: 242673
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.2°C, 3.6°C, 2.8°C, 2.9°C IR8, 1.7°C IR-8, 4.1°C, 0.3°C IR10
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-4
SDG: Downgradient D

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
West Virginia DEP	State	381	10-31-23

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

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-242673-3
SDG: Downgradient D

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
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Pensacola, Florida 32520

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JOB DESCRIPTION

CCR GCEC
SDG NUMBER Upgradient E

JOB NUMBER

400-243166-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

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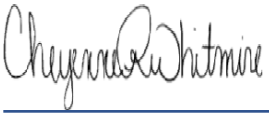
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Job ID: 400-243166-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-243166-1

Receipt
The samples were received on 9/8/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3°C and 4.1°C

Metals
Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-642338 and analytical batch 400-642667 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-202 (400-243166-1), MW-203 (400-243166-2) and MW-204 (400-243166-3). Elevated reporting limits (RLs) are provided.

General Chemistry
Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-641285 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-202 (400-243166-1), MW-203 (400-243166-2), MW-204 (400-243166-3), (400-243152-B-1), (400-243152-B-1 MS), (400-243152-B-1 MSD), (400-243166-B-3 MS), (400-243166-B-3 MSD), (400-243223-C-8), (400-243223-C-8 MS) and (400-243223-C-8 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 Cl- E: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-641285 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS met acceptance criteria.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-641531 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-202 (400-243166-1), MW-203 (400-243166-2), MW-204 (400-243166-3), MW-205 (400-243166-4), DUP-04 (400-243166-5), (400-242673-B-14), (400-242673-B-14 MS) and (400-242673-B-14 MSD). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-202 — Lab Sample ID: 400-243166-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.039	J3	0.025	0.018	mg/L	50		6020B	Total Recoverable
Boron	2.5	J3	0.50	0.29	mg/L	50		6020B	Total Recoverable
Cadmium	0.00090	I	0.0025	0.00065	mg/L	5		6020B	Total Recoverable
Calcium	73		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0012	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0032		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Mercury	0.00025		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	520		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	110		4.0	2.8	mg/L	2		SM 4500 Cl- E	Total/NA
Sulfate	100		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.24				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-203 — Lab Sample ID: 400-243166-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.043		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	3.5		0.50	0.29	mg/L	50		6020B	Total Recoverable
Cadmium	0.0026		0.0025	0.00065	mg/L	5		6020B	Total Recoverable
Calcium	70		0.25	0.13	mg/L	5		6020B	Total Recoverable
Selenium	0.0023		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	480		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	110		4.0	2.8	mg/L	2		SM 4500 Cl- E	Total/NA
Fluoride	0.16		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	120		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.69				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-204 — Lab Sample ID: 400-243166-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.036		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	9.9		2.5	1.5	mg/L	250		6020B	Total Recoverable
Calcium	150		0.25	0.13	mg/L	5		6020B	Total Recoverable
Cobalt	0.0013	I	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Selenium	0.0056		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Total Dissolved Solids	1000		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	310		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	160		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.38				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-205 — Lab Sample ID: 400-243166-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	7.1	I	25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.22				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 400-243166-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	5.22				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-243166-1	MW-202	Water	09/08/23 14:07	09/08/23 15:10
400-243166-2	MW-203	Water	09/08/23 13:30	09/08/23 15:10
400-243166-3	MW-204	Water	09/08/23 11:06	09/08/23 15:10
400-243166-4	MW-205	Water	09/08/23 09:25	09/08/23 15:10
400-243166-5	DUP-04	Water	09/08/23 08:25	09/08/23 15:10

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 09/08/23 14:07
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/26/23 01:46	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/26/23 01:46	5
Barium	**0.039**	**J3**	0.025	0.018	mg/L		09/25/23 11:11	09/28/23 07:09	50
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/26/23 01:46	5
Boron	**2.5**	**J3**	0.50	0.29	mg/L		09/25/23 11:11	09/28/23 07:09	50
Cadmium	**0.00090**	**I**	0.0025	0.00065	mg/L		09/25/23 11:11	09/26/23 01:46	5
Calcium	**73**		0.25	0.13	mg/L		09/25/23 11:11	09/26/23 01:46	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/26/23 01:46	5
Cobalt	**0.0012**	**I**	0.0025	0.00056	mg/L		09/25/23 11:11	09/26/23 01:46	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/26/23 01:46	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/26/23 01:46	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/26/23 01:46	5
Selenium	**0.0032**		0.0013	0.00082	mg/L		09/25/23 11:11	09/26/23 01:46	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/26/23 01:46	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00025**		0.00020	0.00015	mg/L		09/12/23 11:08	09/12/23 15:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**520**		5.0	5.0	mg/L			09/12/23 12:10	1
Chloride (SM 4500 Cl- E)	**110**		4.0	2.8	mg/L			09/15/23 15:43	2
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**100**		25	7.0	mg/L			09/18/23 15:24	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.24**				SU			09/08/23 14:07	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-203

Date Collected: 09/08/23 13:30
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/26/23 01:50	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/26/23 01:50	5
Barium	**0.043**		0.0025	0.0018	mg/L		09/25/23 11:11	09/26/23 01:50	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/26/23 01:50	5
Boron	**3.5**		0.50	0.29	mg/L		09/25/23 11:11	09/28/23 07:33	50
Cadmium	**0.0026**		0.0025	0.00065	mg/L		09/25/23 11:11	09/26/23 01:50	5
Calcium	**70**		0.25	0.13	mg/L		09/25/23 11:11	09/26/23 01:50	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/26/23 01:50	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 11:11	09/26/23 01:50	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/26/23 01:50	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/26/23 01:50	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/26/23 01:50	5
Selenium	**0.0023**		0.0013	0.00082	mg/L		09/25/23 11:11	09/26/23 01:50	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/26/23 01:50	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/12/23 11:08	09/12/23 15:35	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**480**		5.0	5.0	mg/L			09/12/23 12:10	1
Chloride (SM 4500 Cl- E)	**110**		4.0	2.8	mg/L			09/15/23 15:44	2
Fluoride (SM 4500 F C)	**0.16**		0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**120**		25	7.0	mg/L			09/18/23 15:24	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.69**				SU			09/08/23 13:30	1

Client Sample ID: MW-204

Date Collected: 09/08/23 11:06
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/26/23 01:53	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/26/23 01:53	5
Barium	**0.036**		0.0025	0.0018	mg/L		09/25/23 11:11	09/26/23 01:53	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/26/23 01:53	5
Boron	**9.9**		2.5	1.5	mg/L		09/25/23 11:11	09/28/23 07:36	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 11:11	09/26/23 01:53	5
Calcium	**150**		0.25	0.13	mg/L		09/25/23 11:11	09/26/23 01:53	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/26/23 01:53	5
Cobalt	**0.0013**	**I**	0.0025	0.00056	mg/L		09/25/23 11:11	09/26/23 01:53	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/26/23 01:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/26/23 01:53	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/26/23 01:53	5
Selenium	**0.0056**		0.0013	0.00082	mg/L		09/25/23 11:11	09/26/23 01:53	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/26/23 01:53	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/12/23 11:08	09/12/23 15:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10	10	mg/L			09/12/23 12:10	1
Chloride (SM 4500 Cl- E)	**310**		20	14	mg/L			09/15/23 16:11	10
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**160**		25	7.0	mg/L			09/18/23 15:25	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.38**				SU			09/08/23 11:06	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-205

Date Collected: 09/08/23 09:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/26/23 01:56	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/26/23 01:56	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/25/23 11:11	09/26/23 01:56	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/26/23 01:56	5
Boron	0.029	U	0.050	0.029	mg/L		09/25/23 11:11	09/29/23 18:56	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 11:11	09/26/23 01:56	5
Calcium	0.13	U	0.25	0.13	mg/L		09/25/23 11:11	09/26/23 01:56	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/26/23 01:56	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 11:11	09/26/23 01:56	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/26/23 01:56	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/26/23 01:56	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/26/23 01:56	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/25/23 11:11	09/26/23 01:56	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/26/23 01:56	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/12/23 11:08	09/12/23 15:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/12/23 12:10	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/15/23 15:14	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	**7.1**	**I**	25	7.0	mg/L			09/18/23 15:13	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.22**				SU			09/08/23 09:25	1

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: DUP-04

Date Collected: 09/08/23 08:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/26/23 01:59	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/26/23 01:59	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/25/23 11:11	09/28/23 07:43	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/26/23 01:59	5
Boron	0.029	U	0.050	0.029	mg/L		09/25/23 11:11	09/28/23 07:43	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 11:11	09/26/23 01:59	5
Calcium	0.13	U	0.25	0.13	mg/L		09/25/23 11:11	09/26/23 01:59	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/26/23 01:59	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 11:11	09/26/23 01:59	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/26/23 01:59	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/26/23 01:59	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/26/23 01:59	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/25/23 11:11	09/26/23 01:59	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/26/23 01:59	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/12/23 11:08	09/12/23 15:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/12/23 12:10	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/15/23 15:14	1
Fluoride (SM 4500 F C)	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1
Sulfate (SM 4500 SO4 E)	7.0	U	25	7.0	mg/L			09/18/23 15:13	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.22				SU			09/08/23 08:25	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-202
Date Collected: 09/08/23 14:07
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	642667	NTH	EET PEN	09/26/23 01:46
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 07:09
Total/NA	Prep	7470A			640661	JR	EET PEN	09/12/23 11:08 - 09/12/23 14:08 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:34
Total/NA	Analysis	SM 2540C		1	640676	VB	EET PEN	09/12/23 12:10
Total/NA	Analysis	SM 4500 Cl- E		2	641285	CJK	EET PEN	09/15/23 15:43
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:24
Total/NA	Analysis	Field Sampling		1	644595	C1H	EET PEN	09/08/23 14:07

Client Sample ID: MW-203
Date Collected: 09/08/23 13:30
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	642667	NTH	EET PEN	09/26/23 01:50
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		50	643326	NTH	EET PEN	09/28/23 07:33
Total/NA	Prep	7470A			640661	JR	EET PEN	09/12/23 11:08 - 09/12/23 14:08 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:35
Total/NA	Analysis	SM 2540C		1	640676	VB	EET PEN	09/12/23 12:10
Total/NA	Analysis	SM 4500 Cl- E		2	641285	CJK	EET PEN	09/15/23 15:44
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:24
Total/NA	Analysis	Field Sampling		1	644595	C1H	EET PEN	09/08/23 13:30

Client Sample ID: MW-204
Date Collected: 09/08/23 11:06
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	642667	NTH	EET PEN	09/26/23 01:53
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		250	643326	NTH	EET PEN	09/28/23 07:36
Total/NA	Prep	7470A			640661	JR	EET PEN	09/12/23 11:08 - 09/12/23 14:08 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:37
Total/NA	Analysis	SM 2540C		1	640676	VB	EET PEN	09/12/23 12:10
Total/NA	Analysis	SM 4500 Cl- E		10	641285	CJK	EET PEN	09/15/23 16:11
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Client Sample ID: MW-204
Date Collected: 09/08/23 11:06
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:25
Total/NA	Analysis	Field Sampling		1	644595	C1H	EET PEN	09/08/23 11:06

Client Sample ID: MW-205
Date Collected: 09/08/23 09:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	642667	NTH	EET PEN	09/26/23 01:56
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	643529	NTH	EET PEN	09/29/23 18:56
Total/NA	Prep	7470A			640661	JR	EET PEN	09/12/23 11:08 - 09/12/23 14:08 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:38
Total/NA	Analysis	SM 2540C		1	640676	VB	EET PEN	09/12/23 12:10
Total/NA	Analysis	SM 4500 Cl- E		1	641285	CJK	EET PEN	09/15/23 15:14
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:13
Total/NA	Analysis	Field Sampling		1	644595	C1H	EET PEN	09/08/23 09:25

Client Sample ID: DUP-04
Date Collected: 09/08/23 08:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	642667	NTH	EET PEN	09/26/23 01:59
Total Recoverable	Prep	3005A			642338	MS	EET PEN	09/25/23 11:11 - 09/25/23 13:41 [1]
Total Recoverable	Analysis	6020B		5	643326	NTH	EET PEN	09/28/23 07:43
Total/NA	Prep	7470A			640661	JR	EET PEN	09/12/23 11:08 - 09/12/23 14:08 [1]
Total/NA	Analysis	7470A		1	640755	NET	EET PEN	09/12/23 15:39
Total/NA	Analysis	SM 2540C		1	640676	VB	EET PEN	09/12/23 12:10
Total/NA	Analysis	SM 4500 Cl- E		1	641285	CJK	EET PEN	09/15/23 15:14
Total/NA	Analysis	SM 4500 F C		1	641607	JP	EET PEN	09/19/23 09:44
Total/NA	Analysis	SM 4500 SO4 E		5	641531	CJK	EET PEN	09/18/23 15:13
Total/NA	Analysis	Field Sampling		1	644595	C1H	EET PEN	09/08/23 08:25

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Metals

Prep Batch: 640661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	7470A	
400-243166-2	MW-203	Total/NA	Water	7470A	
400-243166-3	MW-204	Total/NA	Water	7470A	
400-243166-4	MW-205	Total/NA	Water	7470A	
400-243166-5	DUP-04	Total/NA	Water	7470A	
MB 400-640661/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-640661/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-242675-C-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-242675-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 640755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	7470A	640661
400-243166-2	MW-203	Total/NA	Water	7470A	640661
400-243166-3	MW-204	Total/NA	Water	7470A	640661
400-243166-4	MW-205	Total/NA	Water	7470A	640661
400-243166-5	DUP-04	Total/NA	Water	7470A	640661
MB 400-640661/14-A	Method Blank	Total/NA	Water	7470A	640661
LCS 400-640661/15-A	Lab Control Sample	Total/NA	Water	7470A	640661
400-242675-C-1-B MS	Matrix Spike	Total/NA	Water	7470A	640661
400-242675-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	640661

Prep Batch: 642338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total Recoverable	Water	3005A	
400-243166-2	MW-203	Total Recoverable	Water	3005A	
400-243166-3	MW-204	Total Recoverable	Water	3005A	
400-243166-4	MW-205	Total Recoverable	Water	3005A	
400-243166-5	DUP-04	Total Recoverable	Water	3005A	
MB 400-642338/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-642338/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-243477-E-4-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-243477-E-4-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 642667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total Recoverable	Water	6020B	642338
400-243166-2	MW-203	Total Recoverable	Water	6020B	642338
400-243166-3	MW-204	Total Recoverable	Water	6020B	642338
400-243166-4	MW-205	Total Recoverable	Water	6020B	642338
400-243166-5	DUP-04	Total Recoverable	Water	6020B	642338
MB 400-642338/1-A ^5	Method Blank	Total Recoverable	Water	6020B	642338
400-243477-E-4-B MS ^5	Matrix Spike	Total Recoverable	Water	6020B	642338
400-243477-E-4-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020B	642338

Analysis Batch: 643326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total Recoverable	Water	6020B	642338
400-243166-2	MW-203	Total Recoverable	Water	6020B	642338
400-243166-3	MW-204	Total Recoverable	Water	6020B	642338
400-243166-5	DUP-04	Total Recoverable	Water	6020B	642338

Metals

Analysis Batch: 643438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-642338/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	642338

Analysis Batch: 643529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-4	MW-205	Total Recoverable	Water	6020B	642338

General Chemistry

Analysis Batch: 640676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	SM 2540C	
400-243166-2	MW-203	Total/NA	Water	SM 2540C	
400-243166-3	MW-204	Total/NA	Water	SM 2540C	
400-243166-4	MW-205	Total/NA	Water	SM 2540C	
400-243166-5	DUP-04	Total/NA	Water	SM 2540C	
MB 400-640676/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-640676/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-243166-3 DU	MW-204	Total/NA	Water	SM 2540C	

Analysis Batch: 641285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	SM 4500 Cl- E	
400-243166-2	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-243166-3	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-243166-4	MW-205	Total/NA	Water	SM 4500 Cl- E	
400-243166-5	DUP-04	Total/NA	Water	SM 4500 Cl- E	
MB 400-641285/5	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-641285/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-641285/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-243152-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-243152-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
400-243166-3 MS	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-243166-3 MSD	MW-204	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 641531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-243166-2	MW-203	Total/NA	Water	SM 4500 SO4 E	
400-243166-3	MW-204	Total/NA	Water	SM 4500 SO4 E	
400-243166-4	MW-205	Total/NA	Water	SM 4500 SO4 E	
400-243166-5	DUP-04	Total/NA	Water	SM 4500 SO4 E	
MB 400-641531/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-641531/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-641531/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-242673-B-14 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-242673-B-14 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 641607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	SM 4500 F C	
400-243166-2	MW-203	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 641607 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-3	MW-204	Total/NA	Water	SM 4500 F C	
400-243166-4	MW-205	Total/NA	Water	SM 4500 F C	
400-243166-5	DUP-04	Total/NA	Water	SM 4500 F C	
MB 400-641607/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-641607/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-641607/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-243116-B-6 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-243116-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-243166-4 DU	MW-205	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 644595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	Field Sampling	
400-243166-2	MW-203	Total/NA	Water	Field Sampling	
400-243166-3	MW-204	Total/NA	Water	Field Sampling	
400-243166-4	MW-205	Total/NA	Water	Field Sampling	
400-243166-5	DUP-04	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-642338/1-A ^5
Matrix: Water
Analysis Batch: 642667

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 642338

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00050	U	0.0025	0.00050	mg/L		09/25/23 11:11	09/25/23 23:53	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/25/23 11:11	09/25/23 23:53	5
Barium	0.0018	U	0.0025	0.0018	mg/L		09/25/23 11:11	09/25/23 23:53	5
Beryllium	0.00028	U	0.0025	0.00028	mg/L		09/25/23 11:11	09/25/23 23:53	5
Boron	0.029	U	0.050	0.029	mg/L		09/25/23 11:11	09/25/23 23:53	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/25/23 11:11	09/25/23 23:53	5
Calcium	0.13	U	0.25	0.13	mg/L		09/25/23 11:11	09/25/23 23:53	5
Chromium	0.0021	U	0.0025	0.0021	mg/L		09/25/23 11:11	09/25/23 23:53	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/25/23 11:11	09/25/23 23:53	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/25/23 11:11	09/25/23 23:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/25/23 11:11	09/25/23 23:53	5
Molybdenum	0.00046	U	0.015	0.00046	mg/L		09/25/23 11:11	09/25/23 23:53	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/25/23 11:11	09/25/23 23:53	5
Thallium	0.00011	U	0.00050	0.00011	mg/L		09/25/23 11:11	09/25/23 23:53	5

Lab Sample ID: LCS 400-642338/2-A ^5
Matrix: Water
Analysis Batch: 643438

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 642338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0502		mg/L		100	80 - 120
Arsenic	0.0500	0.0460		mg/L		92	80 - 120
Barium	0.0500	0.0527		mg/L		105	80 - 120
Beryllium	0.0500	0.0458		mg/L		92	80 - 120
Boron	0.100	0.112		mg/L		112	80 - 120
Cadmium	0.0500	0.0477		mg/L		95	80 - 120
Calcium	5.00	4.79		mg/L		96	80 - 120
Chromium	0.0500	0.0473		mg/L		95	80 - 120
Cobalt	0.0500	0.0467		mg/L		93	80 - 120
Lead	0.0500	0.0465		mg/L		93	80 - 120
Lithium	0.0500	0.0451		mg/L		90	80 - 120
Molybdenum	0.0500	0.0503		mg/L		101	80 - 120
Selenium	0.0500	0.0558		mg/L		112	80 - 120
Thallium	0.0100	0.00929		mg/L		93	80 - 120

Lab Sample ID: 400-243477-E-4-B MS ^5
Matrix: Water
Analysis Batch: 642667

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 642338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00050	U	0.0500	0.0490		mg/L		98	75 - 125
Arsenic	0.012		0.0500	0.0584		mg/L		93	75 - 125
Barium	0.14	J3	0.0500	0.226	J3	mg/L		173	75 - 125
Beryllium	0.00028	U	0.0500	0.0516		mg/L		103	75 - 125
Boron	0.041	I J3	0.100	0.207	J3	mg/L		166	75 - 125
Cadmium	0.00065	U	0.0500	0.0513		mg/L		103	75 - 125
Calcium	10		5.00	15.7		mg/L		106	75 - 125
Chromium	0.010		0.0500	0.0665		mg/L		112	75 - 125
Cobalt	0.035		0.0500	0.0868		mg/L		103	75 - 125

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

Lab Sample ID: 400-243477-E-4-B MS ^5
Matrix: Water
Analysis Batch: 642667

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 642338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00081	U	0.0500	0.0556		mg/L		111	75 - 125
Lithium	0.0060		0.0500	0.0592		mg/L		107	75 - 125
Molybdenum	0.00068	I	0.0500	0.0464		mg/L		91	75 - 125
Selenium	0.00082	U	0.0500	0.0597		mg/L		119	75 - 125
Thallium	0.00017	I	0.0100	0.0112		mg/L		110	75 - 125

Lab Sample ID: 400-243477-E-4-C MSD ^5
Matrix: Water
Analysis Batch: 642667

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 642338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00050	U	0.0500	0.0479		mg/L		96	75 - 125	2	20
Arsenic	0.012		0.0500	0.0588		mg/L		94	75 - 125	1	20
Barium	0.14	J3	0.0500	0.232	J3	mg/L		186	75 - 125	3	20
Beryllium	0.00028	U	0.0500	0.0513		mg/L		103	75 - 125	1	20
Boron	0.041	I J3	0.100	0.215	J3	mg/L		174	75 - 125	4	20
Cadmium	0.00065	U	0.0500	0.0519		mg/L		104	75 - 125	1	20
Calcium	10		5.00	15.1		mg/L		93	75 - 125	4	20
Chromium	0.010		0.0500	0.0638		mg/L		107	75 - 125	4	20
Cobalt	0.035		0.0500	0.0877		mg/L		105	75 - 125	1	20
Lead	0.00081	U	0.0500	0.0550		mg/L		110	75 - 125	1	20
Lithium	0.0060		0.0500	0.0592		mg/L		106	75 - 125	0	20
Molybdenum	0.00068	I	0.0500	0.0491		mg/L		97	75 - 125	6	20
Selenium	0.00082	U	0.0500	0.0534		mg/L		107	75 - 125	11	20
Thallium	0.00017	I	0.0100	0.0109		mg/L		108	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-640661/14-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640661

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/12/23 11:07	09/12/23 15:15	1

Lab Sample ID: LCS 400-640661/15-A
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640661

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000930		mg/L		93	80 - 120

Lab Sample ID: 400-242675-C-1-B MS
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 640661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00200	0.00179		mg/L		90	80 - 120

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

Lab Sample ID: 400-242675-C-1-C MSD
Matrix: Water
Analysis Batch: 640755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 640661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00200	0.00189		mg/L		95	80 - 120	5	20

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

Lab Sample ID: MB 400-640676/1
Matrix: Water
Analysis Batch: 640676

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/12/23 12:10	1

Lab Sample ID: LCS 400-640676/2
Matrix: Water
Analysis Batch: 640676

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	293	298		mg/L		102	78 - 122

Lab Sample ID: 400-243166-3 DU
Matrix: Water
Analysis Batch: 640676

Client Sample ID: MW-204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1030		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-641285/5
Matrix: Water
Analysis Batch: 641285

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/15/23 15:03	1

Lab Sample ID: LCS 400-641285/6
Matrix: Water
Analysis Batch: 641285

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.8		mg/L		96	90 - 110

Lab Sample ID: MRL 400-641285/7
Matrix: Water
Analysis Batch: 641285

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	2.42		mg/L		61	50 - 150

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-243152-B-1 MS
Matrix: Water
Analysis Batch: 641285

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	160		10.0	165	J3	mg/L		45	73 - 120

Lab Sample ID: 400-243152-B-1 MSD
Matrix: Water
Analysis Batch: 641285

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	160		10.0	168		mg/L		73	73 - 120	2	8

Lab Sample ID: 400-243166-3 MS
Matrix: Water
Analysis Batch: 641285

Client Sample ID: MW-204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	310		20.0	261	J3	mg/L		-255	73 - 120

Lab Sample ID: 400-243166-3 MSD
Matrix: Water
Analysis Batch: 641285

Client Sample ID: MW-204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	310		20.0	265	J3	mg/L		-235	73 - 120	2	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-641607/10
Matrix: Water
Analysis Batch: 641607

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.070	U	0.10	0.070	mg/L			09/19/23 09:44	1

Lab Sample ID: LCS 400-641607/12
Matrix: Water
Analysis Batch: 641607

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.08		mg/L		102	90 - 110

Lab Sample ID: MRL 400-641607/11
Matrix: Water
Analysis Batch: 641607

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0830	I	mg/L		83	50 - 150

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-243116-B-6 MS
Matrix: Water
Analysis Batch: 641607

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.070	U	0.100	0.0933	I	mg/L		93	75 - 125		

Lab Sample ID: 400-243116-B-6 MSD
Matrix: Water
Analysis Batch: 641607

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.070	U	0.100	0.0971	I	mg/L		97	75 - 125	4	4

Lab Sample ID: 400-243166-4 DU
Matrix: Water
Analysis Batch: 641607

Client Sample ID: MW-205
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.070	U	0.070	U	mg/L		NC	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-641531/12
Matrix: Water
Analysis Batch: 641531

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/18/23 13:56	1

Lab Sample ID: LCS 400-641531/13
Matrix: Water
Analysis Batch: 641531

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	15.8		mg/L		105	90 - 110		

Lab Sample ID: MRL 400-641531/14
Matrix: Water
Analysis Batch: 641531

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	3.47	I	mg/L		69	50 - 150		

Lab Sample ID: 400-242673-B-14 MS
Matrix: Water
Analysis Batch: 641531

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	160		50.0	170	J3	mg/L		13	77 - 128		

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-242673-B-14 MSD
Matrix: Water
Analysis Batch: 641531

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	160		50.0	168	J3	mg/L		8	77 - 128	1	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: RICK HAGENDORFER / TODD WORCES	Lab PM: Whitmire, Cheyenne R	Carrier: 400-243166 COC	COC No: 400-122781-34082.1
Client Contact: Barry Evans	Phone: 402-517-0342	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Upgradient E	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	[illegible]	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code				D	N	N	D	N	N		
MW-202	8 SEP 23	1407	G	Water	NO		X	X	X	X	X	X		
MW-203	8 SEP 23	1330	G	Water	NO		X	X	X	X	X	X		
MW-204	8 SEP 23	1106	G	Water	NO		X	X	X	X	X	X		
MW-205	8 SEP 23	0925	G	Water	NO		X	X	X	X	X	X		
DUP-04	8 SEP 23	0825	G	Water	NO		X	X	X	X	X	X		
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify) LEVE II REPORTS AND ASSOCIATED EDD'S

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	9-8-23 1510	RDH ENV.	[signature]	9/8/23 1510	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1°C IR10 0.3°C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-243166-1
SDG Number: Upgradient E

Login Number: 243166
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.1°C, 0.3°C IR10
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-1
SDG: Upgradient E

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	12-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Generated 10/9/2023 3:04:13 PM

JOB DESCRIPTION

CCR GCEC
SDG NUMBER Upgradient E

JOB NUMBER

400-243166-2

Eurofins Pensacola
3355 McLemore Drive
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See page two for job notes and contact information.

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Job Notes

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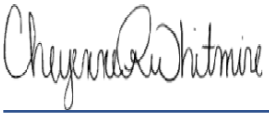
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Job ID: 400-243166-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-243166-2

Receipt
The samples were received on 9/8/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3°C and 4.1°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 batch 628013. 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-202 (400-243166-1), MW-203 (400-243166-2), MW-204 (400-243166-3), MW-205 (400-243166-4), DUP-04 (400-243166-5), (LCS 160-628013/2-A), (MB 160-628013/1-A) and (400-243166-A-1-B DU)

Method 9320_Ra228: Radium-228 batch 628017. 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-202 (400-243166-1), MW-203 (400-243166-2), MW-204 (400-243166-3), MW-205 (400-243166-4), DUP-04 (400-243166-5), (LCS 160-628017/2-A), (MB 160-628017/1-A) and (400-243166-A-1-D DU)

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-243166-1	MW-202	Water	09/08/23 14:07	09/08/23 15:10
400-243166-2	MW-203	Water	09/08/23 13:30	09/08/23 15:10
400-243166-3	MW-204	Water	09/08/23 11:06	09/08/23 15:10
400-243166-4	MW-205	Water	09/08/23 09:25	09/08/23 15:10
400-243166-5	DUP-04	Water	09/08/23 08:25	09/08/23 15:10

Client Sample ID: MW-202

Date Collected: 09/08/23 14:07
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.21		0.329	0.385	1.00	0.157	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.91		0.599	0.656	1.00	0.523	pCi/L	09/14/23 10:07	10/04/23 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*
Y Carrier	*74.8*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.12		0.683	0.761	5.00	0.523	pCi/L		10/09/23 12:20	1

Client Sample ID: MW-203

Date Collected: 09/08/23 13:30
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.07		0.322	0.372	1.00	0.159	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.70		0.716	0.837	1.00	0.582	pCi/L	09/14/23 10:07	10/04/23 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*
Y Carrier	*82.6*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.77		0.785	0.916	5.00	0.582	pCi/L		10/09/23 12:20	1

Client Sample ID: MW-204

Date Collected: 09/08/23 11:06
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.78		0.310	0.349	1.00	0.199	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.23		0.545	0.582	1.00	0.570	pCi/L	09/14/23 10:07	10/04/23 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*
Y Carrier	*81.5*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.01	I	0.627	0.679	5.00	0.570	pCi/L		10/09/23 12:20	1

Client Sample ID: MW-205

Date Collected: 09/08/23 09:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.162	U	0.141	0.142	1.00	0.217	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.398	U	0.321	0.323	1.00	0.495	pCi/L	09/14/23 10:07	10/04/23 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*
Y Carrier	*80.7*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.560**	**I**	0.351	0.353	5.00	0.495	pCi/L		10/09/23 12:20	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Client Sample ID: DUP-04
Date Collected: 09/08/23 08:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-5
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0772	U	0.0996	0.0999	1.00	0.230	pCi/L	09/14/23 09:58	10/06/23 19:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 09:58*	*10/06/23 19:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.195	U	0.269	0.270	1.00	0.571	pCi/L	09/14/23 10:07	10/04/23 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*
Y Carrier	*72.5*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.272	U	0.287	0.288	5.00	0.571	pCi/L		10/09/23 12:20	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Qualifiers

Rad

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Client Sample ID: MW-202
Date Collected: 09/08/23 14:07
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630700	FLC	EET SL	10/04/23 12:17
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: MW-203
Date Collected: 09/08/23 13:30
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630702	FLC	EET SL	10/04/23 12:23
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: MW-204
Date Collected: 09/08/23 11:06
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630702	FLC	EET SL	10/04/23 12:23
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Client Sample ID: MW-205
Date Collected: 09/08/23 09:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630702	FLC	EET SL	10/04/23 12:23
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Client Sample ID: DUP-04
Date Collected: 09/08/23 08:25
Date Received: 09/08/23 15:10

Lab Sample ID: 400-243166-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628013	KAC	EET SL	09/14/23 09:58
Total/NA	Analysis	9315		1	631027	FLC	EET SL	10/06/23 19:27
Total/NA	Prep	PrecSep_0			628017	KAC	EET SL	09/14/23 10:07
Total/NA	Analysis	9320		1	630702	FLC	EET SL	10/04/23 12:23
Total/NA	Analysis	Ra226_Ra228		1	631119	SCB	EET SL	10/09/23 12:20

Laboratory References:

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

Rad

Prep Batch: 628013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	PrecSep-21	
400-243166-2	MW-203	Total/NA	Water	PrecSep-21	
400-243166-3	MW-204	Total/NA	Water	PrecSep-21	
400-243166-4	MW-205	Total/NA	Water	PrecSep-21	
400-243166-5	DUP-04	Total/NA	Water	PrecSep-21	
MB 160-628013/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-628013/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
400-243166-1 DU	MW-202	Total/NA	Water	PrecSep-21	

Prep Batch: 628017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-243166-1	MW-202	Total/NA	Water	PrecSep_0	
400-243166-2	MW-203	Total/NA	Water	PrecSep_0	
400-243166-3	MW-204	Total/NA	Water	PrecSep_0	
400-243166-4	MW-205	Total/NA	Water	PrecSep_0	
400-243166-5	DUP-04	Total/NA	Water	PrecSep_0	
MB 160-628017/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-628017/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
400-243166-1 DU	MW-202	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-628013/1-A
Matrix: Water
Analysis Batch: 631026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628013

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02388	U	0.0825	0.0826	1.00	0.164	pCi/L	09/14/23 09:58	10/06/23 15:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 09:58*	*10/06/23 15:52*	*1*

Lab Sample ID: LCS 160-628013/2-A
Matrix: Water
Analysis Batch: 631000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628013

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.03		1.13	1.00	0.185	pCi/L	89	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*

Lab Sample ID: 400-243166-1 DU
Matrix: Water
Analysis Batch: 631027

Client Sample ID: MW-202
Prep Type: Total/NA
Prep Batch: 628013

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	2.21			2.287		0.419	1.00	0.207	pCi/L			0.1	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-628017/1-A
Matrix: Water
Analysis Batch: 630700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628017

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1879	U	0.373	0.373	1.00	0.642	pCi/L	09/14/23 10:07	10/04/23 12:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:15*	*1*
Y Carrier	*80.7*		*30 - 110*	*09/14/23 10:07*	*10/04/23 12:15*	*1*

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

Lab Sample ID: LCS 160-628017/2-A
Matrix: Water
Analysis Batch: 630700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628017

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.83	8.287		1.18	1.00	0.639	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: 400-243166-1 DU
Matrix: Water
Analysis Batch: 630700

Client Sample ID: MW-202
Prep Type: Total/NA
Prep Batch: 628017

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	2.91			3.107		0.704	1.00	0.559	pCi/L			0.15	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.8*		*30 - 110*
Y Carrier	*73.6*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler: RICK HAGENDORFER / TODD WORCES	Lab PM: Whitmire, Cheyenne R	Carrier: 400-243166 COC	COC No: 400-122781-34082.1
Client Contact: Barry Evans	Phone: 402-517-0342	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Upgradient E	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code				D	N	N	D	N	N		
MW-202	8 SEP 23	1407	G	Water	NO		X	X	X	X	X	X		
MW-203	8 SEP 23	1330	G	Water	NO		X	X	X	X	X	X		
MW-204	8 SEP 23	1106	G	Water	NO		X	X	X	X	X	X		
MW-205	8 SEP 23	0925	G	Water	NO		X	X	X	X	X	X		
DUP-04	8 SEP 23	0825	G	Water	NO		X	X	X	X	X	X		
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify) LEVE II REPORTS AND ASSOCIATED EDD'S

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	9-8-23 1510	RDH ENV.	[signature]	9/8/23 1510	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1°C IR10 0.3°C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-243166-2
SDG Number: Upgradient E

Login Number: 243166
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.1°C, 0.3°C IR10
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-243166-2
SDG Number: Upgradient E

Login Number: 243166
List Number: 2
Creator: Awalt, Jayna K

List Source: Eurofins St. Louis
List Creation: 09/13/23 03:04 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.	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR GCEC

Job ID: 400-243166-2
SDG: Upgradient E

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
West Virginia DEP	State	381	10-31-23

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Lane Dorman
Geosyntec Consultants Inc
1120 N. 12th Avenue
Pensacola, Florida 32501

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JOB DESCRIPTION

GCEC
SDG NUMBER SPLP & Radium

JOB NUMBER

400-241543-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

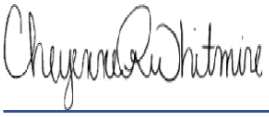
myEOL

Job Notes

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

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

Authorization



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Authorized for release by
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(850)471-6222

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Job ID: 400-241543-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-241543-1

Receipt
The samples were received on 8/4/2023 11:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 6.5°C and 9.6°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 Prep Batch 160-624634. The following samples were prepared at a reduced aliquot due to Matrix: SS-1 0.5' (400-241543-1), SS-1 2.0' (400-241543-2), SS-2 0.5' (400-241543-3), SS-2 2.0' (400-241543-4), SS-3 0.5' (400-241543-5), SS-3 2.0' (400-241543-6), SS-4 0.5' (400-241543-7) and SS-4 2.0' (400-241543-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method 9315_Ra226: Radium-226 batch 624634. 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.SS-1 0.5' (400-241543-1), SS-1 2.0' (400-241543-2), SS-2 0.5' (400-241543-3), SS-2 2.0' (400-241543-4), SS-3 0.5' (400-241543-5), SS-3 2.0' (400-241543-6), SS-4 0.5' (400-241543-7), SS-4 2.0' (400-241543-8), (LCS 160-624634/2-A), (LCSD 160-624634/3-A) and (MB 160-624634/1-A)

Method 9315_Ra226: Radium-226 batch 623453. 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.GW-01 (400-241543-9), (LCS 160-623453/2-A), (MB 160-623453/1-A), (380-57380-D-1-A) and (380-57380-D-1-B DU)

Method 9320_Ra228: Radium-228 Prep Batch 160-624634. The following samples were prepared at a reduced aliquot due to Matrix: SS-1 0.5' (400-241543-1), SS-1 2.0' (400-241543-2), SS-2 0.5' (400-241543-3), SS-2 2.0' (400-241543-4), SS-3 0.5' (400-241543-5), SS-3 2.0' (400-241543-6), SS-4 0.5' (400-241543-7) and SS-4 2.0' (400-241543-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method 9320_Ra228: Radium-228 prep batch 160-624635. The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. SS-4 2.0' (400-241543-8)

Method 9320_Ra228: Radium-228 prep batch 160-624635. 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. SS-1 0.5' (400-241543-1), SS-1 2.0' (400-241543-2), SS-2 0.5' (400-241543-3), SS-2 2.0' (400-241543-4), SS-3 0.5' (400-241543-5), SS-3 2.0' (400-241543-6), SS-4 0.5' (400-241543-7), SS-4 2.0' (400-241543-8), (LCS 160-624635/2-A), (LCSD 160-624635/3-A) and (MB 160-624635/1-A)

Method 9320_Ra228: Radium 228 batch 623454. 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.GW-01 (400-241543-9), (LCS 160-623454/2-A), (MB 160-623454/1-A), (380-57380-D-1-C) and (380-57380-D-1-D DU)

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

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
1312	SPLP Extraction	SW846	EET SL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

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.

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-241543-1	SS-1 0.5'	Solid	08/03/23 13:55	08/04/23 11:42
400-241543-2	SS-1 2.0'	Solid	08/03/23 14:06	08/04/23 11:42
400-241543-3	SS-2 0.5'	Solid	08/03/23 14:36	08/04/23 11:42
400-241543-4	SS-2 2.0'	Solid	08/03/23 14:39	08/04/23 11:42
400-241543-5	SS-3 0.5'	Solid	08/03/23 15:24	08/04/23 11:42
400-241543-6	SS-3 2.0'	Solid	08/03/23 15:27	08/04/23 11:42
400-241543-7	SS-4 0.5'	Solid	08/03/23 15:45	08/04/23 11:42
400-241543-8	SS-4 2.0'	Solid	08/03/23 15:48	08/04/23 11:42
400-241543-9	GW-01	Water	08/03/23 10:43	08/04/23 11:42

Client Sample ID: SS-1 0.5'

Date Collected: 08/03/23 13:55
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-1

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.636**	**I**	0.191	0.199	1.00	0.173	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.214	U	0.432	0.433	1.00	0.871	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*79.6*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.422	U	0.472	0.477	5.00	0.871	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-1 2.0'

Date Collected: 08/03/23 14:06
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-2

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.828**	**I**	0.211	0.224	1.00	0.171	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.603	U	0.565	0.568	1.00	0.904	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.43**	**I**	0.603	0.611	5.00	0.904	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-2 0.5'

Date Collected: 08/03/23 14:36
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-3

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.339**	**I**	0.145	0.148	1.00	0.167	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.392	U	0.464	0.465	1.00	0.990	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*66.9*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0533	U	0.486	0.488	5.00	0.990	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-2 2.0'

Date Collected: 08/03/23 14:39
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-4

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.346**	**I**	0.145	0.148	1.00	0.159	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.311	U	0.433	0.434	1.00	0.728	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.657	U	0.457	0.459	5.00	0.728	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-3 0.5'

Date Collected: 08/03/23 15:24
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-5

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.197**	**I**	0.134	0.135	1.00	0.192	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.205	U	0.496	0.496	1.00	0.871	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*75.1*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.402	U	0.514	0.514	5.00	0.871	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-3 2.0'

Date Collected: 08/03/23 15:27
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-6

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0979	U	0.106	0.106	1.00	0.170	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.400	U	0.482	0.483	1.00	0.796	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.498	U	0.494	0.494	5.00	0.796	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-4 0.5'

Date Collected: 08/03/23 15:45
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-7

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.27**		0.249	0.274	1.00	0.152	pCi/L	08/18/23 10:02	09/12/23 20:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.222	U	0.500	0.501	1.00	0.878	pCi/L	08/18/23 10:07	09/06/23 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*
Y Carrier	*74.4*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.49**	**I**	0.559	0.571	5.00	0.878	pCi/L		09/15/23 16:02	1

Client Sample ID: SS-4 2.0'

Date Collected: 08/03/23 15:48
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-8

Matrix: Solid

Method: SW846 9315 - Radium-226 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.214**	**I**	0.141	0.143	1.00	0.203	pCi/L	08/18/23 10:02	09/12/23 20:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.143	U	0.578	0.578	1.00	1.02	pCi/L	08/18/23 10:07	09/06/23 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:19*	*1*
Y Carrier	*79.6*		*30 - 110*	*08/18/23 10:07*	*09/06/23 12:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228 - SPLP East

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.357	U	0.595	0.595	5.00	1.02	pCi/L		09/15/23 16:02	1

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Client Sample ID: GW-01

Date Collected: 08/03/23 10:43
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	51		0.25	0.13	mg/L		08/08/23 12:30	08/09/23 06:34	5
Magnesium	63		0.13	0.041	mg/L		08/08/23 12:30	08/09/23 06:34	5

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	810		10	10	mg/L			08/05/23 09:59	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.508	I	0.146	0.153	1.00	0.115	pCi/L	08/09/23 09:45	08/31/23 07:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*08/09/23 09:45*	*08/31/23 07:40*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.600	U	0.475	0.478	1.00	0.746	pCi/L	08/09/23 09:51	08/25/23 15:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*08/09/23 09:51*	*08/25/23 15:03*	*1*
Y Carrier	*86.0*		*30 - 110*	*08/09/23 09:51*	*08/25/23 15:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.11	I	0.497	0.502	5.00	0.746	pCi/L		09/15/23 16:04	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Rad

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Result is less than the sample detection limit.

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Client Sample ID: SS-1 0.5'
Date Collected: 08/03/23 13:55
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-1 2.0'
Date Collected: 08/03/23 14:06
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-2 0.5'
Date Collected: 08/03/23 14:36
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-2 2.0'
Date Collected: 08/03/23 14:39
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Client Sample ID: SS-3 0.5'
Date Collected: 08/03/23 15:24
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-3 2.0'
Date Collected: 08/03/23 15:27
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627786	SCB	EET SL	09/12/23 20:24
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-4 0.5'
Date Collected: 08/03/23 15:45
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627783	SCB	EET SL	09/12/23 20:25
SPLP East	Leach	1312			624127	SRE	EET SL	08/09/23 10:34
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:00
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Client Sample ID: SS-4 2.0'
Date Collected: 08/03/23 15:48
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			624127	SRE	EET SL	08/17/23 11:48
SPLP East	Prep	PrecSep-21			624634	KAC	EET SL	08/18/23 10:02
SPLP East	Analysis	9315		1	627783	SCB	EET SL	09/12/23 20:25
SPLP East	Leach	1312			624127	SRE	EET SL	08/17/23 11:48
SPLP East	Prep	PrecSep_0			624635	KAC	EET SL	08/18/23 10:07
SPLP East	Analysis	9320		1	626892	SCB	EET SL	09/06/23 12:19
SPLP East	Analysis	Ra226_Ra228		1	628343	SCB	EET SL	09/15/23 16:02

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Client Sample ID: GW-01
Date Collected: 08/03/23 10:43
Date Received: 08/04/23 11:42

Lab Sample ID: 400-241543-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			636237	KWN	EET PEN	08/08/23 12:30 - 08/08/23 17:14 [1]
Total Recoverable	Analysis	6020B		5	636411	NTH	EET PEN	08/09/23 06:34
Total/NA	Analysis	SM 2540C		1	635996	HA	EET PEN	08/05/23 09:59
Total/NA	Prep	PrecSep-21			623453	KAC	EET SL	08/09/23 09:45
Total/NA	Analysis	9315		1	626294	FLC	EET SL	08/31/23 07:40
Total/NA	Prep	PrecSep_0			623454	KAC	EET SL	08/09/23 09:51
Total/NA	Analysis	9320		1	625590	FLC	EET SL	08/25/23 15:03
Total/NA	Analysis	Ra226_Ra228		1	628344	SCB	EET SL	09/15/23 16:04

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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

Metals

Prep Batch: 636237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-9	GW-01	Total Recoverable	Water	3005A	
MB 400-636237/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-636237/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-241529-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-241529-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 636411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-9	GW-01	Total Recoverable	Water	6020B	636237
MB 400-636237/1-A ^5	Method Blank	Total Recoverable	Water	6020B	636237
LCS 400-636237/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	636237
400-241529-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	6020B	636237
400-241529-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020B	636237

General Chemistry

Analysis Batch: 635996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-9	GW-01	Total/NA	Water	SM 2540C	
MB 400-635996/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-635996/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-241526-A-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Rad

Prep Batch: 623453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-9	GW-01	Total/NA	Water	PrecSep-21	
MB 160-623453/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-623453/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
380-57380-D-1-B DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 623454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-9	GW-01	Total/NA	Water	PrecSep_0	
MB 160-623454/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-623454/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
380-57380-D-1-D DU	Duplicate	Total/NA	Water	PrecSep_0	

Leach Batch: 624127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-1	SS-1 0.5'	SPLP East	Solid	1312	
400-241543-2	SS-1 2.0'	SPLP East	Solid	1312	
400-241543-3	SS-2 0.5'	SPLP East	Solid	1312	
400-241543-4	SS-2 2.0'	SPLP East	Solid	1312	
400-241543-5	SS-3 0.5'	SPLP East	Solid	1312	
400-241543-6	SS-3 2.0'	SPLP East	Solid	1312	
400-241543-7	SS-4 0.5'	SPLP East	Solid	1312	
400-241543-8	SS-4 2.0'	SPLP East	Solid	1312	

Rad

Prep Batch: 624634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-1	SS-1 0.5'	SPLP East	Solid	PrecSep-21	624127
400-241543-2	SS-1 2.0'	SPLP East	Solid	PrecSep-21	624127
400-241543-3	SS-2 0.5'	SPLP East	Solid	PrecSep-21	624127
400-241543-4	SS-2 2.0'	SPLP East	Solid	PrecSep-21	624127
400-241543-5	SS-3 0.5'	SPLP East	Solid	PrecSep-21	624127
400-241543-6	SS-3 2.0'	SPLP East	Solid	PrecSep-21	624127
400-241543-7	SS-4 0.5'	SPLP East	Solid	PrecSep-21	624127
400-241543-8	SS-4 2.0'	SPLP East	Solid	PrecSep-21	624127
MB 160-624634/1-A	Method Blank	Total/NA	Solid	PrecSep-21	
LCS 160-624634/2-A	Lab Control Sample	Total/NA	Solid	PrecSep-21	
LCSD 160-624634/3-A	Lab Control Sample Dup	Total/NA	Solid	PrecSep-21	

Prep Batch: 624635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241543-1	SS-1 0.5'	SPLP East	Solid	PrecSep_0	624127
400-241543-2	SS-1 2.0'	SPLP East	Solid	PrecSep_0	624127
400-241543-3	SS-2 0.5'	SPLP East	Solid	PrecSep_0	624127
400-241543-4	SS-2 2.0'	SPLP East	Solid	PrecSep_0	624127
400-241543-5	SS-3 0.5'	SPLP East	Solid	PrecSep_0	624127
400-241543-6	SS-3 2.0'	SPLP East	Solid	PrecSep_0	624127
400-241543-7	SS-4 0.5'	SPLP East	Solid	PrecSep_0	624127
400-241543-8	SS-4 2.0'	SPLP East	Solid	PrecSep_0	624127
MB 160-624635/1-A	Method Blank	Total/NA	Solid	PrecSep_0	
LCS 160-624635/2-A	Lab Control Sample	Total/NA	Solid	PrecSep_0	
LCSD 160-624635/3-A	Lab Control Sample Dup	Total/NA	Solid	PrecSep_0	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-636237/1-A ^5
Matrix: Water
Analysis Batch: 636411

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636237

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.13	U	0.25	0.13	mg/L		08/08/23 12:30	08/09/23 03:44	5
Magnesium	0.041	U	0.13	0.041	mg/L		08/08/23 12:30	08/09/23 03:44	5

Lab Sample ID: LCS 400-636237/2-A ^5
Matrix: Water
Analysis Batch: 636411

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5.00	5.14		mg/L		103	80 - 120
Magnesium	5.00	5.27		mg/L		105	80 - 120

Lab Sample ID: 400-241529-D-1-B MS ^5
Matrix: Water
Analysis Batch: 636411

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 636237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	14		5.00	18.9		mg/L		98	75 - 125
Magnesium	3.0		5.00	8.13		mg/L		103	75 - 125

Lab Sample ID: 400-241529-D-1-C MSD ^5
Matrix: Water
Analysis Batch: 636411

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 636237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	14		5.00	19.0		mg/L		100	75 - 125	1	20
Magnesium	3.0		5.00	8.03		mg/L		102	75 - 125	1	20

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

Lab Sample ID: MB 400-635996/1
Matrix: Water
Analysis Batch: 635996

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/05/23 09:59	1

Lab Sample ID: LCS 400-635996/2
Matrix: Water
Analysis Batch: 635996

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	293	280		mg/L		96	78 - 122

Lab Sample ID: 400-241526-A-3 DU
Matrix: Water
Analysis Batch: 635996

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		150		mg/L		0	5

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-623453/1-A
Matrix: Water
Analysis Batch: 626294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623453

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02612	U	0.0696	0.0696	1.00	0.131	pCi/L	08/09/23 09:45	08/31/23 07:35	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*08/09/23 09:45*	*08/31/23 07:35*	*1*

Lab Sample ID: LCS 160-623453/2-A
Matrix: Water
Analysis Batch: 626294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623453

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.48		1.13	1.00	0.141	pCi/L	92	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*81.6*		*30 - 110*

Lab Sample ID: 380-57380-D-1-B DU
Matrix: Water
Analysis Batch: 626294

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 623453

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0247	U		0.08403	I	0.0797	1.00	0.0759	pCi/L			0.42	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*85.5*		*30 - 110*

Lab Sample ID: MB 160-624634/1-A
Matrix: Solid
Analysis Batch: 627786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624634

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01526	U	0.0730	0.0730	1.00	0.140	pCi/L	08/18/23 10:02	09/12/23 20:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*08/18/23 10:02*	*09/12/23 20:24*	*1*

Lab Sample ID: LCS 160-624634/2-A
Matrix: Solid
Analysis Batch: 627786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624634

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.40		1.10	1.00	0.133	pCi/L	92	75 - 125		

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

Lab Sample ID: LCS 160-624634/2-A
Matrix: Solid
Analysis Batch: 627786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624634

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.2		30 - 110

Lab Sample ID: LCSD 160-624634/3-A
Matrix: Solid
Analysis Batch: 627786

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624634

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	10.86		1.14	1.00	0.112	pCi/L	96	75 - 125	0.21	1

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

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-623454/1-A
Matrix: Water
Analysis Batch: 625602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623454

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3863	U	0.434	0.436	1.00	0.711	pCi/L	08/09/23 09:51	08/25/23 14:59	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110	08/09/23 09:51	08/25/23 14:59	1
Y Carrier	76.3		30 - 110	08/09/23 09:51	08/25/23 14:59	1

Lab Sample ID: LCS 160-623454/2-A
Matrix: Water
Analysis Batch: 625602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623454

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.93	8.375		1.26	1.00	0.572	pCi/L	106	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	81.6		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: 380-57380-D-1-D DU
Matrix: Water
Analysis Batch: 625602

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 623454

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.349	U		-0.01272	U	0.293	1.00	0.342	pCi/L			0.55	1

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

Lab Sample ID: 380-57380-D-1-D DU
Matrix: Water
Analysis Batch: 625602

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 623454

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	85.5		30 - 110
Y Carrier	84.1		30 - 110

Lab Sample ID: MB 160-624635/1-A
Matrix: Solid
Analysis Batch: 626839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624635

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2531	U	0.321	0.322	1.00	0.534	pCi/L	08/18/23 10:07	09/06/23 11:55	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110	08/18/23 10:07	09/06/23 11:55	1
Y Carrier	84.5		30 - 110	08/18/23 10:07	09/06/23 11:55	1

Lab Sample ID: LCS 160-624635/2-A
Matrix: Solid
Analysis Batch: 626839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624635

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.90	9.485		1.30	1.00	0.491	pCi/L	120	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.2		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: LCSD 160-624635/3-A
Matrix: Solid
Analysis Batch: 626839

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624635

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.90	9.264		1.30	1.00	0.558	pCi/L	117	75 - 125	0.09	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	93.2		30 - 110
Y Carrier	80.7		30 - 110

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

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400-241543 COC

Client Information	Sampler: Kyle Carlton KC	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-122089-41851.2
Client Contact: Barry Evans	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 2
Company: Florida Power and Light / Gunster	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested: STANDARD			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000441641			
Email: Barry.Evans@nexteraenergy.com Lformon@geosyntec.com	WO #: 3000004117			
Project Name: SPLP & RADIUM	Project #: 40005424			
Site: Gulf Clean Energy center	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, 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, Y - Trizma, 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)	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228, Radium 226 + Radium 228	SPLP 9315_Ra226, 9320_Ra228	Ra226Ra228_GFPC - SPLP Radium 226 + Radium 228	6010D - SPLP Radium 226 & 228 for subout	Moisture - Percent Moisture	2540C - TDS	6020B - Calcium & Magnesium						Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	N	N	D							
SS-2 2.0'	8/3/2023	1439	G	Solid			X	X		X	X	X								2	
SS-3 0.5'	8/3/2023	1524	G	Solid			X	X		X	X	X								2	
SS-3 2.0'	8/3/2023	1527	G	Solid			X	X		X	X	X								2	
SS-4 0.5'	8/3/2023	1545	G	Solid			X	X		X	X	X								2	
SS-4 2.0'	8/3/2023	1548	G	Solid			X	X		X	X	X								2	
GW-01	8/3/2023	1043	G	Water			X	X					X	X						3	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jordan Poole	8/4/2023 1142	Geosyntec	Lance Wilson	8-4-23 1142	
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: 6.5°C, 9.6°C (IR11)

Ver: 01/16/2019

9/18/2023

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Kyle Carlton	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-122089-41851.1
Client Contact: Barry Evans	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: FL	Page: Page 1 of 2
Company: Florida Power and Light / Gunster	PWSID:			Job #:

Address	Due Date Requested: STANDARD	Preservation Codes:
BIN 731 One Energy Place	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, Y - Trizma, Z - other (specify)
City: Pensacola	Compliance Project: Δ Yes Δ No	
State, Zip: FL, 32520	PO #: 2000441641	Other:
Phone: 850-444-6427(Tel)	WO #: 3000004117	
Email: Barry.Evans@nexteraenergy.com / Lformane@geosyntec.com	Project #: 40005424	
Project Name: SPLP & RADIUM	SSOW#:	
Site: Gulf Clean Energy Center		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228, Radium 226 + Radium 228	SPLP 9315_Ra226, 9320_Ra228	Ra226Ra228_GFPC - SPLP Radium 226 + Radium 228	6010D - SPLP Radium 226 & 228 for subout	Moisture - Percent Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	N		
~~GW-01~~ (HP)	~~8/3/2023~~	~~1043~~	~~G~~	Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
SS-1 0.5'	8/3/2023	1355	G	Solid			X	X		X	X	X	2	
SS-1 2.0'	8/3/2023	1406	G	Solid			X	X		X	X	X	2	
SS-2 0.5'	8/3/2023	1436	G	Solid			X	X		X	X	X	2	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Jordan Poole	8/4/2023 1142	Geosyntec	Jorge Velazquez	8-4-23 1142	
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: 6.5°C, 9.6°C IR4

Ver: 01/16/2019

9/18/2023

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-241543-1
SDG Number: SPLP & Radium

Login Number: 241543
List Number: 1
Creator: Earnest, Tamantha

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	6.5°C IR11, 9.6°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-241543-1
SDG Number: SPLP & Radium

Login Number: 241543
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 08/08/23 01:25 PM

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-241543-1
SDG Number: SPLP & Radium

Login Number: 241543
List Number: 3
Creator: Early, Sabrina R

List Source: Eurofins St. Louis
List Creation: 08/09/23 02:37 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.	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.	True	

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-31-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: GCEC

Job ID: 400-241543-1
SDG: SPLP & Radium

Laboratory: Eurofins St. Louis (Continued)

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

Authority	Program	Identification Number	Expiration Date
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
West Virginia DEP	State	381	10-31-23

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: GCEC		SITE LOCATION: Pensacola, FL	
WELL NO: BGMW-18-01	SAMPLE ID: ~~BGMW-18-01~~ (R) GW-01		DATE: 08/03/2023

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): (JP) 36.41	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (38.5 feet – 3.41 feet) X 0.163 gallons/foot = 5.72 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0953	PURGING ENDED AT: 1043	TOTAL VOLUME PURGED (gallons): ~3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR/ ODOR (describe)
0953			0.05	(JP) 36.62	6.54	23.3	1.476	1.92	~~27.03~~ (JP)	206.9	clear/none*
0958				36.63	6.14	22.9	1.511	0.63	65.0	181.6	" "
1003				36.60	6.10	22.9	1.644	0.47	290	32.5	" "
1008				36.61	6.03	23.1	1.969	0.46	300	12.7	" "
1013		1.0		36.62	5.94	23.2	2.400	0.72	24.2	9.8	" "
1018				36.62	5.91	22.8	2.682	1.03	11.2	6.6	" "
1023				36.63	5.89	22.8	2.847	0.45	9.82	3.8	" "
1028				36.60	5.88	22.9	2.977	0.40	2.71	1.3	" "
1033					5.87	22.8	3.052	0.43		-0.1	" "
1038				36.62	5.86	22.8	3.121	0.39	3.07	-0.2	" "
1043				36.62	5.86	22.8	3.159	0.39	2.48	-0.1	" "

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Kyle Carlton / Jordan Poole Geosyntec	SAMPLER(S) SIGNATURE(S): Jordan Poole	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1056
PUMP OR TUBING DEPTH IN WELL (feet): 34'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: * clear with suspended red organic particulates

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: GCEC	SITE LOCATION: PENSACOLA FL	
WELL NO:	SAMPLE ID: SS-4	DATE: 8/3/2023

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR/ ODOR (describe)
1639				2.0	7.01	30.3	8.100	3.48	321	29.1	Clear/none
1641					7.15	29.0	8.216	2.05	509	31.7	" "

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: _____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: Pump dry after approx. 2.5 gallons. Unable to sample from borehole.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Geosyntec consultants

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Memorandum

Date: 16 March 2023

To: Lane Dorman

From: Ashley Wilson

CC: J. Caprio

Subject: **Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-225667-1, 400-225722-1 Revision 1, 400-225791-1, 400-225844-1 Revision 1, 400-225845-1 Revision 1 and 400-225846-1 Revision 1**

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one aqueous samples, seven field duplicates, four field blanks and four equipment blanks, collected 7-9, 12-14 and 16 September 2022, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins Pensacola, Florida, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020
- Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C
- Chloride by SM 4500 CL-E
- Fluoride by EPA Method 300.0
- Sulfate by SM 4500 SO4 E

EXECUTIVE SUMMARY

Overall, based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and

- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 540-R-20-006).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-225667-1	MW-100
400-225667-2	MW-101
400-225667-3	MW-107
400-225667-4	MW-108
400-225667-5	MW-306
400-225667-6	MW-307
400-225667-7	DUP-01
400-225667-8	EB-01
400-225667-9	FB-01
400-225722-1	MW-102
400-225722-2	MW-103
400-225722-3	MW-104
400-225722-4	MW-105
400-225722-5	MW-106
400-225722-6	MW-109
400-225722-7	MW-110
400-225722-8	DUP-03
400-225722-9	DUP-02
400-225791-1	MW-300
400-225791-2	MW-303
400-225791-3	MW-304
400-225791-4	MW-308
400-225791-5	DUP-04

Laboratory IDs	Client IDs
400-225791-6	EB-02
400-225791-7	FB-02
400-225791-8	MW-305
400-225791-9	DUP-07
400-225791-10	EB-04
400-225791-11	FB-04
400-225844-1	MW-202
400-225844-2	MW-203
400-225844-3	MW-204
400-225844-4	MW-205
400-225845-1	MW-200
400-225845-2	MW-201
400-225845-3	MW-206
400-225845-4	FB-03
400-225845-5	EB-03
400-225846-1	PZ-200D
400-225846-2	PZ-201D
400-225846-3	PZ-203D
400-225846-4	DUP-05
400-225846-5	PZ-200S
400-225846-6	GSA-2S
400-225846-7	DUP-06
400-225846-8	MW2032/GE-1D

The chain of custody (COC) indicates the samples were received within the criteria 0-6ºC. No preservation issues were noted by the laboratory.

The laboratory noted that due to supply chain issues, fluoride had to be run by EPA method 300.0 instead of 4500-F−. This may cause a deviation from the historical results.

400-225846-1: The laboratory noted that the COC indicated that they were to receive two containers for samples PZ-200D, PZ-201D, PZ-203D and DUP-05. However, two containers were received for samples PZ-200S, GSA-2S and DUP-06 instead.

Laboratory reports 400-225722-1, 400-225844-1, 400-225845-1 and 400-225846-1 were revised by the laboratory on 01/30/2023 to include all QC data. The laboratory reports are now identified as 400-225722-1 Revision 1, 400-225844-1 Revision 1, 400-225845-1 Revision 1 and 400-225846-1 Revision 1, respectively.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020. Mercury was assessed separately, in section 2.0, below

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
⊗ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Duplicate
⊗ Laboratory Control Sample
✓ Equipment Blank
⊗ Field Blank
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

400-225667-1: The laboratory noted the replicate relative standard deviations (RSDs) of the metals in the initial calibration verification (ICV) in batch 593462 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance

criteria. Since the ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-225667-1: The laboratory noted boron recovered low in a continuing calibration verification (CCV) in batch 593804. Since boron was not reported for the associated samples from batch 593804, no qualifications were applied to the data.

400-225722-1: The laboratory noted that calcium was detected at a concentration greater than the reporting limit (RL) in the continuing calibration blank (CCB) in batch 592944. Since calcium was detected at concentrations greater than ten times the detected calcium concentration in the associated samples, no qualifications were applied to the data.

400-225722-1: The laboratory noted the replicate RSDs of the metals in the ICV in batch 593289 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance criteria. Since the ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-225722-1 and 400-225844-1: The interference check sample analysis (ICSA) associated with batch 593462 recovered above the upper control limit for calcium. Since only QC samples were reported in the batch, no qualifications were applied to the data.

400-225722-1 and 400-225844-1: The laboratory noted that boron was detected at a concentration greater than the RL in the CCB in batch 592944. Therefore, the estimated boron concentration in sample MW-202 was U qualified as not detected at the RL.

400-225791-1: The laboratory noted the replicate RSDs of the metals in the ICVs in batches 593462, 595577 and 594019 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance criteria. Since the ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-225845-1: The laboratory noted the replicate RSDs of the metals in the ICVs in batches 593338 and 594320 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance criteria. Since the ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-225846-1: The laboratory noted the recovery of selenium in the contract required detection limit verification standard (CRI) in batch 594320 was high and outside of the method specified acceptance criteria. Since selenium was not detected in the associated samples, no qualifications were applied to the data.

400-225844-1 and 400-225845-1: The laboratory noted the recovery of selenium in the CRI in batch 594019 was high and outside of the method specified acceptance criteria. Since selenium was not considered for validation for the associated samples in batch 594019, no qualifications were applied to the data.

400-225846-1: The laboratory noted the replicate RSDs of the metals in the ICVs in batches 593338 and 593462 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance criteria. Since the ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-225844-1, 400-225845-1 and 400-225846-1: The results of the first analyses were used to validate the data for metals in reports 400-225844-1, 400-225845-1 and 400-225846-1. the remaining analyses results were not considered for validation and were indicated as rejected in the corresponding electronic data deliverables (EDDs).

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-202	Boron	0.013	I	0.013	UJ	3

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Time

The holding time for the metals analysis of a preserved water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported [preparation batches 592467 (analysis batches 593338, 593462, 593804 and 593289), 592648 (analysis batches 593462 and 592944) and 592886 (analysis batches 593338, 593804, 594019 and 593995)]. Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

400-225667-1 and 400-225791-1: Boron was detected at an estimated concentration greater than or equal to the MDL and less than the RL in the method blank in analysis batch 593804 from preparation batch 592467. Therefore, the estimated boron concentrations in the associated samples were U qualified as not detected at the RL.

400-225722-1: Boron was detected at an estimated concentration greater than or equal to the MDL and less than the RL in the method blank in analysis batch 593462 from preparation batch 592648. Since the associated results were only for QC, no qualifications were applied to the data.

400-225722-1 and 400-225844-1: Calcium (1.03 mg/L) was detected at a concentration greater than the RL and selenium was detected at an estimated concentration greater than or equal to the MDL and less than the RL in the method blank in analysis batch 592944 from preparation batch 592468. Therefore, the estimated selenium concentration in sample MW-103 was U qualified as not detected at the RL. The calcium concentrations in samples MW-103, MW-106, MW-109, DUP-02 and MW-202 were J+ qualified as estimated with high biases.

400-225791-1 and 400-225846-1: Boron was detected at an estimated concentration greater than or equal to the MDL and less than the RL and selenium (0.00467 mg/L) was detected at a concentration greater than the RL in the method blank in analysis batch 594019 from preparation batch 593194. Therefore, the estimated boron concentration in samples EB-04 and FB-04 were U qualified as not detected at the RL. Since selenium was not reported from analysis batch 594019 for the associated samples and based on professional and technical judgment, no qualifications were applied to the selenium data.

400-225844-1, 400-225845-1 and 400-225846-1: Boron (0.1440 mg/L) and selenium (0.0180 mg/L) were detected at concentrations greater than the RLs and calcium was detected at an estimated concentration greater than or equal to the MDL and less than the RL in the method blank in analysis batch 593338 from preparation batch 592886. Therefore, the concentration of boron in sample MW2032/GE-1D was U qualified as not detected at the reported concentration and the concentrations of boron in samples MW-203, EB-03 and FB-03 were J+ qualified as estimated with a high bias and the boron and selenium concentrations in sample PZ-200D were U qualified as not detected at the reported concentrations. The estimated concentration of calcium in sample EB-03 was U qualified as not detected above the RL. The concentrations of selenium in samples MW-203, MW-204, MW-205, MW-200, MW-201, MW-206, EB-03, FB-03 and MW2032/GE-1D were J+ qualified as estimated with a high bias.

400-225844-1 and 400-225846-1: Chromium (0.00292 mg/L) and selenium (0.0144 mg/L) were detected at concentrations greater than the RLs and boron was detected at an estimated concentration greater than or equal to the MDL and less than the RL in the method blank in analysis batch 593804 from preparation batch 592886. Since the boron, chromium and selenium data from analysis batch 593804 were not considered for validation and based on professional and technical judgment, no qualifications were applied to the data.

400-225844-1, 400-225845-1 and 400-225846-1: Boron, calcium and chromium were detected at estimated concentrations greater than or equal to the MDLs and less than the RLs in the method blank in analysis batch 594019 from preparation batch 592886. Since the boron, calcium and

chromium data from analysis batch 594019 were not considered for validation and based on professional and technical judgment, no qualifications were applied to the data.

400-225846-1: Boron, calcium and chromium were detected at estimated concentrations greater than or equal to the MDLs and less than the RLs in the method blank in analysis batch 593995 from preparation batch 592886. Since the calcium and chromium data from analysis batch 593995 were not considered for validation and based on professional and technical judgment, no qualifications were applied to the calcium and chromium data. However, the estimated boron concentrations in samples PZ-201D, PZ-203D and DUP-05 were U qualified as estimated below the RL.

400-225846-1: Selenium (0.0168 mg/L) was detected at a concentration greater than the RL in the method blank in analysis batch 593804 from preparation batch 593194. Since the selenium data from analysis batch 593804 were not considered for validation and based on professional and technical judgment, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-100	Boron	0.031	I	0.050	U	3
MW-101	Boron	0.029	I	0.050	U	3
MW-107	Boron	0.031	I	0.031	U	3
MW-306	Boron	0.027	I	0.050	U	3
MW-307	Boron	0.025	I	0.050	U	3
EB-01	Boron	0.049	I V J3	0.050	U	3
DUP-01	Boron	0.046	I	0.050	U	3
FB-04	Boron	0.045	I	0.050	U	3
MW-103	Selenium	0.0012	I	0.0013	U	3
MW-103	Calcium	3.3	NA	3.3	J+	3
DUP-02	Calcium	5.3	NA	5.3	J+	3
MW-202	Calcium	5.3	NA	5.3	J+	3
MW-106	Calcium	1.6	NA	1.6	J+	3
MW-109	Calcium	6.0	NA	6.0	J+	3
EB-02	Boron	0.019	I	0.050	U	3
EB-04	Boron	0.024	I V	0.050	U	3
FB-02	Boron	0.016	I	0.050	U	3
MW-203	Boron	0.61	V J3	0.61	J+	3
MW-203	Selenium	0.02	V J3	0.020	J+	3
MW-204	Selenium	0.033	V J3	0.033	J+	3
MW-205	Selenium	0.028	V J3	0.028	J+	3

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-200	Selenium	0.026	V J3	0.026	J+	3
MW-201	Selenium	0.022	V J3	0.022	J+	3
MW-206	Selenium	0.023	V J3	0.023	J+	3
EB-03	Boron	0.23	NA	0.23	J+	3
EB-03	Calcium	0.15	I V	0.25	U	3
EB-03	Selenium	0.019	V J3	0.019	J+	3
FB-03	Boron	0.41	NA	0.41	J+	3
FB-03	Selenium	0.014	V J3	0.014	J+	3
MW2032/GE-1D	Boron	0.060	J3	0.060	U	3
MW2032/GE-1D	Selenium	0.024	J3	0.024	J+	3
PZ-200D	Boron	0.12	V J3	0.12	U	3
PZ-200D	Selenium	0.018	V J3	0.018	U	3
PZ-201D	Boron	0.032	I V	0.050	U	3
PZ-203D	Boron	0.033	I V	0.050	U	3
DUP-05	Boron	0.034	I V	0.050	U	3

mg/L-milligram per liter
NA-not applicable
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
V-laboratory flag indicating analyte was detected in both the sample and method blank
J3-estimated value; value may not be accurate. Spike recovery or relative percent difference (RPD) outside of criteria.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Three sample set specific MS/MSD pairs were reported, using samples MW-101, PZ200D and MW2032/GE-1D. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-225667-1: The MS recovery of boron and RPD of selenium in the MS/MSD pair using sample MW-101 were high and outside of the laboratory specified acceptance criteria. Since selenium was not detected in sample MW-101, no qualifications were applied to the selenium data. However, the estimated concentration of boron was J qualified as estimated.

400-225846-1: The recoveries of boron in the MS/MSD pair using sample PZ-200D were low and outside of the laboratory specified acceptance criteria. Therefore, the concentration of boron in sample was PZ-200D J- qualified as estimated with a low bias.

Six batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-101	Boron	0.029	I	0.029	J	4
PZ-200D	Boron	0.12	V J3	0.12	J-	4

mg/L-milligram per liter
V-laboratory flag indicating analyte was detected in both the sample and method blank
J3-estimated value; value may not be accurate. Spike recovery or RPD outside of criteria
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL

1.5 Laboratory Duplicate

Laboratory duplicates were not reported for metals.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Nine LCSs were reported. The recovery results were within the laboratory specified acceptance criteria, with the following exceptions.

400-225722-1 and 400-225844-1: The recovery of boron in the LCS from analysis batch 593462 and preparation batch 592648 was high and outside the laboratory specified acceptance criteria. Since the associated results were only for QC, no qualifications were applied to the data.

400-225722-1 and 400-225846-1: The recoveries of antimony, molybdenum and selenium in the LCS from analysis batch 593995 and preparation batch 592648 were high and outside the laboratory specified acceptance criteria. Since the associated results were only for QC, no qualifications were applied to the data.

400-225722-1 and 400-225844-1: The recovery of boron in the LCS from analysis batch 592944 and preparation batch 592648 was low and outside the laboratory specified acceptance criteria. Therefore, the estimated boron concentration in sample MW-202 was J qualified as estimated and the concentrations of boron in samples MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110 and DUP-03 were J- qualified as estimated below the RL.

400-225722-1 and 400-225844-1: The recovery of calcium in the LCS from analysis batch 592944 and preparation batch 592648 was high and outside the laboratory specified acceptance criteria. Therefore, the concentrations of calcium in samples MW-102, MW-103, MW-106, MW-109, MW-110, DUP-02 and MW-202 were J+ qualified as estimated with high bias.

400-225844-1, 400-225845-1 and 400-225846-1: The recoveries of boron and selenium in the LCS from analysis batch 593338 and preparation batch 592886 were high and outside the laboratory specified acceptance criteria. Therefore, the concentrations of boron and selenium in samples

MW-203, MW-204, MW-205, MW-200, MW-201, MW-206, EB-03, FB-03, MW2032/GE-1D and PZ-200D were J+ qualified as estimated with high bias.

400-225844-1, 400-225845-1 and 400-225846-1: The recovery of selenium in the LCS from analysis batch 593804 and preparation batch 592886 was high and outside the laboratory specified acceptance criteria. Data from this analysis batch was not used in the validation of the associated samples; therefore, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-102	Boron	0.13	NA	0.13	J-	5
MW-103	Boron	0.22	NA	0.22	J-	5
MW-104	Boron	14	NA	14	J-	5
MW-105	Boron	0.50	NA	0.50	J-	5
MW-106	Boron	0.097	NA	0.097	J-	5
MW-109	Boron	0.45	NA	0.45	J-	5
MW-110	Boron	4.4	NA	4.4	J-	5
DUP-03	Boron	0.32	NA	0.32	J-	5
MW-202	Boron	0.013	I	0.013	J	5
MW-102	Calcium	12	NA	12	J+	5
MW-103	Calcium	3.3	NA	3.3	J+	5
MW-106	Calcium	1.6	NA	1.6	J+	5
MW-109	Calcium	6.0	NA	6.0	J+	5
MW-110	Calcium	26	NA	26	J+	5
DUP-02	Calcium	5.3	NA	5.3	J+	5
MW-202	Calcium	5.3	NA	5.3	J+	5
MW-203	Boron	0.61	V J3	0.61	J+	5
MW-204	Boron	5.2	J3	5.2	J+	5
MW-205	Boron	1.7	J3	1.7	J+	5
MW-200	Boron	4.5	J3	4.5	J+	5
MW-201	Boron	2.8	J3	2.8	J+	5
MW-206	Boron	10	J3	10	J+	5
EB-03	Boron	0.23	NA	0.23	J+	5
FB-03	Boron	0.41	NA	0.41	J+	5
MW2032/GE-1D	Boron	0.060	J3	0.060	J+	5
PZ-200D	Boron	0.12	V J3	0.12	J+	5
MW-203	Selenium	0.020	V J3	0.020	J+	5
MW-204	Selenium	0.033	V J3	0.033	J+	5
MW-205	Selenium	0.028	V J3	0.028	J+	5
MW-200	Selenium	0.026	V J3	0.026	J+	5

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-201	Selenium	0.022	V J3	0.022	J+	5
MW-206	Selenium	0.023	V J3	0.023	J+	5
EB-03	Selenium	0.019	V J3	0.019	J+	5
FB-03	Selenium	0.014	V J3	0.014	J+	5
MW2032/GE-1D	Selenium	0.024	J3	0.024	J+	5
PZ-200D	Selenium	0.018	V J3	0.018	J+	5

V-laboratory flag indicating analyte was detected in both the sample and method blank
J3-estimated value; value may not be accurate. Spike recovery or RPD outside of criteria
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL

1.7 Equipment Blank

Four equipment blanks, EB-01, EB-02, EB-03 and EB-04, were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

400-225667-1: Boron was detected at an estimated concentration greater than the MDL and less than the RL in EB-01. Since the boron concentration in EB-01 was U qualified as not detected due to method blank contamination, and based on professional and technical judgment, no additional qualifications were applied to the data.

400-225667-1: Selenium (0.012 mg/L) was detected at a concentration greater than the RL in EB-01. Since the associated samples were qualified due to field blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

400-225791-1: Boron was detected at an estimated concentration greater than the MDL and less than the RL and selenium (0.010 mg/L) was detected at a concentration greater than the RL in EB-02. Since the boron and selenium concentrations in the associated samples were qualified due to method blank contamination and field blank contamination, respectively, and based on professional and technical judgment, no additional qualifications were applied to the data.

400-225791-1: Boron was detected at an estimated concentration greater than the MDL and less than the RL in EB-04. Since the boron concentration in EB-04 was U qualified as not detected due to method blank contamination, and based on professional and technical judgment, no additional qualifications were applied to the data.

400-225845-1: Calcium was detected at an estimated concentration greater than the MDL and less than the RL and selenium (0.019 mg/L) and boron (0.23 mg/L) was detected at a concentration greater than the RLs in EB-03. Since the boron, calcium and selenium concentrations in the

associated samples were qualified due to method blank contamination, and based on professional and technical judgment, no additional qualifications were applied to the data.

1.8 Field Blank

Four field blanks, FB-01, FB-02, FB-03 and FB-04, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exceptions.

400-225667-1: Selenium (0.0037 mg/L) was detected in FB-01 at a concentration greater than the RL. Therefore, the selenium concentrations in samples MW-307 and DUP-01 were U qualified as not detected at the reported concentrations and the selenium concentration in sample EB-01 was J+ qualified as estimated with a high bias.

400-225791-1: Selenium (0.011 mg/L) was detected in FB-02 at a concentration greater than the RL and boron and calcium were detected at estimated concentrations greater than the MDLs and less than the RLs. Therefore, the selenium concentration in sample MW-308 was J+ qualified as estimated with a high bias and the selenium concentrations in samples MW-300, MW-304, EB-02, MW-303 and DUP-04 were U qualified as not detected at the reported concentration. Since the boron concentration in FB-02 was U qualified as not detected due to method blank contamination, calcium was detected at concentrations greater than the RL in the associated samples and based on professional and technical judgment, no qualifications were applied to the boron and calcium data.

400-225791-1: Boron was detected at an estimated concentration greater than the MDL and less than the RL in FB-04. Since the boron concentrations in FB-04 was U qualified as not detected due to method blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

400-225845-1: Boron (0.41 mg/L) and selenium (0.014 mg/L) were detected in FB-03 at concentrations greater than the RLs. Since the selenium concentrations in the associated samples were qualified due to method blank contamination and based on professional and technical judgment, no additional qualifications were applied to the selenium data. However, the boron concentration in sample MW-201 was J+ qualified as estimated with high bias.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-307	Selenium	0.0034	NA	0.0034	U	3
EB-01	Selenium	0.012	NA	0.012	J+	3
DUP-01	Selenium	0.0023	NA	0.0023	U	3
MW-300	Selenium	0.0045	NA	0.0045	U	3
MW-304	Selenium	0.0075	NA	0.0075	U	3

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
EB-02	Selenium	0.010	NA	0.010	U	3
MW-303	Selenium	0.011	NA	0.011	U	3
DUP-04	Selenium	0.011	NA	0.011	U	3
MW-308	Selenium	0.012	NA	0.012	J+	3
MW-201	Boron	2.8	NA	2.8	J+	3

mg/L-milligram per liter
NA-not applicable

1.9 Field Duplicate

Seven field duplicates were collected with the sample set, DUP-01 (400-225667-1), DUP-02 (400-225722-1), DUP-03 (400-225722-1), DUP-04 (400-225791-1), DUP-5 (400-225846-1), DUP-6 (400-225846-1) and DUP-07 (400-225791-1). Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-100, MW-109, MW-105, MW-304, PZ-201D, PZ200S and MW-305, respectively, with the following exceptions.

Cobalt was detected in DUP-01 (400-225667-1) at an estimated concentration greater than the MDL and less than the RL and not detected in sample MW-100, resulting in noncalculable RPD. Therefore, the cobalt concentration in DUP-01 (400-225667-1) was J qualified as estimated, and the non-detect cobalt result in MW-100 was UJ qualified as estimated less than the MDL.

Selenium was detected in DUP-01 (400-225667-1) at a concentration greater than the RL and not detected in sample MW-100, resulting in noncalculable RPD. Since the selenium concentration in DUP-01 was U qualified as not detected due to blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

The selenium RPD for field duplicate pair DUP-02 (400-225722-1) /MW-109 was greater than 30%. Therefore, the selenium concentrations in this field duplicate pair were J qualified as estimated.

The boron and selenium RPDs for field duplicate pair DUP-03 (400-225722-1)/MW-105 were greater than 30%. Therefore, the boron and selenium concentrations in this field duplicate pair were J qualified as estimated.

The selenium RPD for field duplicate pair DUP-04 (400-225791-1) /MW-304 was greater than 30%. Since the selenium concentrations in the field duplicate pair were U qualified as not detected due to blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

Beryllium and lithium were not detected in DUP-07 (400-225791-1) and detected in MW-305 at concentrations greater than or equal to the MDLs, resulting in noncalculable RPDs. Therefore, the non-detect beryllium and lithium concentrations in DUP-07 (400-225791-1) were UJ qualified as estimated less than the MDLs, and the boron and lithium concentrations in MW-305 were J qualified as estimated.

The calcium and barium RPDs for field duplicate pair DUP-05 (400-225846-1) / PZ-201D were greater than 30%. Therefore, the calcium and barium concentrations in this field duplicate pair were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier	Reason Code
MW-100	Cobalt	0.00056	U	NC	0.00056	UJ	7
DUP-01	Cobalt	0.00059	NA		0.00059	J	7
MW-109	Selenium	0.0020	NA	35	0.0020	J	7
DUP-02	Selenium	0.0014	V		0.0014	J	7
MW-105	Boron	0.50	NA	44	0.50	J	7
DUP-03	Boron	0.32	NA		0.32	J	7
MW-105	Selenium	0.0014	NA	56	0.0014	J	7
DUP-03	Selenium	0.0025	NA		0.0025	J	7
MW-305	Beryllium	0.0010	I	NC	0.0010	J	7
DUP-07	Beryllium	0.00092	U		0.0025	UJ	7
MW-305	Lithium	0.0060	NA	NC	0.0060	J	7
DUP-07	Lithium	0.0049	U		0.005	UJ	7
PZ-201D	Calcium	6.1	NA	54	6.1	J	7
DUP-05	Calcium	3.5	NA		3.5	J	7
PZ-201D	Barium	0.054	NA	57	0.054	J	7
DUP-05	Barium	0.030	NA		0.030	J	7

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
U-not detected at or above the MDL
V- laboratory flag indicating analyte was detected in both the sample and method blank
NA-not applicable
NC-not calculable

1.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

1.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. Results for QC were reported in the laboratory results but did not appear in the corresponding EDDs. No additional discrepancies were identified between the level II reports and the EDDs.

2.0 MERCURY

The samples were analyzed for mercury by US EPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Equipment Blank
⊗ Field Blank
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Ten method blanks were reported (batches 593355, 594205, 594225, 595041 and 594226). Mercury was not detected in the method blanks at or above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pair were reported using samples MW-103 and FB-03. The recovery and RPD results were within the laboratory specified acceptance criteria.

Eight batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Ten LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Three equipment blanks, EB-01, EB-02, EB-03 and EB-04, were collected with the sample set. Mercury was not detected in the equipment blanks at or above the MDL, with the following exception.

400-225791-1: Mercury was detected in EB-04 at an estimated concentration greater than the MDL and less than the RL. Since the mercury concentration in in EB-04 was U qualified as not detected due to field blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

2.7 Field Blank

Three field blanks, FB-01, FB-02, FB-03 and FB-04, were collected with the sample set. Mercury was not detected in the field blanks at or above the MDL, with the following exception.

400-225791-1: Mercury was detected at an estimated concentration greater than the MDL and less than the RL in FB-04. Therefore, based on professional and technical judgment, the mercury concentration in samples MW-305 and DUP-07 were J+ qualified as estimated with high biases

and the estimated concentrations in samples MW-304, EB-04 and DUP-04 were U qualified as not detected at or above the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-304	Mercury	0.00016	I	0.00020	U	3
MW-305	Mercury	0.0025	NA	0.0025	J+	3
EB-04	Mercury	0.00016	I	0.00020	U	3
DUP-04	Mercury	0.00016	I	0.00020	U	3
DUP-07	Mercury	0.0024	NA	0.0024	J+	3

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
NA-not applicable

2.8 Field Duplicate

Seven field duplicates were collected with the sample set, DUP-01 (400-225667), DUP-02 (400-225722), DUP-03 (400-225722), DUP-04 (400-225791), DUP-5 (400-225846), DUP-6 (400-225846) and DUP-07(400-225791). Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-100, MW-109, MW-105, MW-304, PZ-201, PZ200S and MW-305, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. Results for QC were reported in the laboratory results but did not appear in the corresponding EDDs. No additional discrepancies were identified between the level II reports and the EDDs.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by SM 4500 Cl-E, fluoride by EPA method 300.0, sulfate by SM 4500 SO4 E and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ⊗ Laboratory Duplicate
- ⊗ Equipment Blank
- ✓ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

3.1.2 Analysis Anomaly

400-225722-1: The CCV associated with batch 592382 recovered high and outside the laboratory specified acceptance criteria for fluoride. Since the associated samples were nondetect, no qualifications were applied to the data.

400-225791-1 and 400-225846-1: The CCV associated with batch 592384 recovered high and outside the laboratory specified acceptance criteria for fluoride. Since the associated samples were nondetect, no qualifications were applied to the data

3.2 Holding Times

The holding time for the fluoride, chloride and sulfate analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each analysis and batch TDS (batches 592210, 592212, 592329, 592334, 593083, 592475, 592835 and 593088), chloride (batches 592118, 592268, 592920, 593790 and 592946), sulfate (batches 592119, 592121, 592948, 593793 and 593075) and fluoride (batches 591951, 592382, 592408, 592459, 592510, 593284, 593504, 593729, 592785 and 593050) The wet chemistry parameters were not detected in the method blanks at or above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Sample set specific MSs and MS/MSD pairs were reported for chloride using samples MW-306, MW-103, MW-300, PZ-201D and DUP-05, sulfate using samples FB-01, MW-102, MW-300, FB-04 and MW-202 and fluoride using samples MW-109, MW-300, DUP-04 and DUP-07. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs or LCS/LCS duplicate (LCSD) pairs were reported for each analysis and batch. The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The recovery results were within the laboratory specified acceptance criteria, with the following exceptions.

400-225791-1 and 400-225846-1: The recoveries of fluoride in the LCS/LCSD pair in batch 593284 were high and outside of laboratory specified acceptance criteria. Since fluoride was not detected in the associated samples, no qualifications were applied to the data.

3.6 Laboratory Duplicate

Five sample set specific laboratory duplicates were reported for TDS using samples DUP-03, MW-300, FB-02, MW-205 and MW-200. The RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-225791-1: The RPD of TDS in the laboratory duplicate using sample MW-300 was high and outside of the laboratory specified acceptance criteria. Therefore, the TDS concentration in sample MW-300 was J qualified as estimated.

400-225844-1: The RPD of TDS in the laboratory duplicate using sample MW-205 was high and outside of the laboratory specified acceptance criteria. Therefore, the TDS concentration in sample MW-205 was J qualified as estimated.

400-225845-1: The RPD of TDS in the laboratory duplicate using sample MW-200 was high and outside of the laboratory specified acceptance criteria. Therefore, the TDS concentration in sample MW-200 was J qualified as estimated.

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-300	TDS	22	NA	22	J	12
MW-205	TDS	220	NA	220	J	12
MW-200	TDS	600	NA	600	J	12

mg/L-milligrams per liter
NA-not applicable

3.7 Equipment Blank

Four equipment blanks, EB-01, EB-02, EB-03 and EB-04, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks at or above the MDLs, with the following exception.

400-225791-1: Fluoride was detected in EB-02 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated concentration in MW-303 was U qualified as not detected at or above the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-303	Fluoride	0.15	I	1.0	U	3

mg/L-milligrams per liter
NA-not applicable

3.8 Field Blank

Four field blanks, FB-01, FB-02, FB-03 and FB-04 were collected with the sample set. The wet chemistry parameters were not detected in the field blanks at or above the MDLs.

3.9 Field Duplicate

Seven field duplicates were collected with the sample set, DUP-01 (400-225667), DUP-02 (400-225722), DUP-03 (400-225722), DUP-04 (400-225791), DUP-5 (400-225846), DUP-6 (400-225846) and DUP-07(400-225791). Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-100, MW-109, MW-105, MW-304, PZ-201, PZ200S and MW-305, respectively, with the following exceptions.

Fluoride was detected in DUP-04 (400-225791) at a concentration greater than the RL and not detected in sample MW-304, resulting in a noncalculable RPD. Therefore, the fluoride concentration in DUP-04 was J qualified as estimated and the non-detect result of fluoride in MW-304 was UJ qualified as estimated less than the MDL.

The RPD of TDS in field duplicate pair PZ-201D /DUP-05 (400-225846) was greater than 30%; therefore, the TDS concentrations in field duplicate pair PZ-201D /DUP-05 (400-225846) were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier	Reason Code
MW-304	Fluoride	0.14	U	NC	0.14	UJ	7
DUP-04	Fluoride	1.5	NA		1.5	J	7
PZ-201D	TDS	44	NA	60	44	J	7
DUP-05	TDS	82	NA		82	J	7

mg/L-milligrams per liter
U- laboratory flag indicating not detected at or above the MDL
NA-not applicable
NC-not calculable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

3.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. Results for QC were reported in the laboratory results but did not appear in the corresponding EDDs. No additional discrepancies were identified between the level II reports and the EDDs.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	19 December 2022
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-225667-2, 400-225722-2, 400-225791-2, 400-225844-2, 400-225845-2 and 400-225846-2**

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one aqueous samples, seven field duplicates, four field blanks and four equipment blanks, collected 7-16 September 2022, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- United States Environmental Protection Agency (US EPA) Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- American Nuclear Society Verification and Validation of Radiological Data for Use in Management and Environmental Remediation, ANSI/ANS-41.5-2012, February 15, 2012.

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
400-225667-1	MW-100
400-225667-2	MW-101
400-225667-3	MW-107
400-225667-4	MW-108
400-225667-5	MW-306
400-225667-6	MW-307
400-225667-7	DUP-01
400-225667-8	EB-01
400-225667-9	FB-01
400-225722-1	MW-102
400-225722-2	MW-103
400-225722-3	MW-104
400-225722-4	MW-105
400-225722-5	MW-106
400-225722-6	MW-109
400-225722-7	MW-110
400-225722-8	DUP-03
400-225722-9	DUP-02
400-225791-1	MW-300
400-225791-2	MW-303
400-225791-3	MW-304
400-225791-4	MW-308
400-225791-5	DUP-04

Laboratory ID	Client ID
400-225791-6	EB-02
400-225791-7	FB-02
400-225791-8	MW-305
400-225791-9	DUP-07
400-225791-10	EB-04
400-225791-11	FB-04
400-225844-1	MW-202
400-225844-2	MW-203
400-225844-3	MW-204
400-225844-4	MW-205
400-225845-1	MW-200
400-225845-2	MW-201
400-225845-3	MW-206
400-225845-4	FB-03
400-225845-5	EB-03
400-225846-1	PZ-200D
400-225846-2	PZ-201D
400-225846-3	PZ-203D
400-225846-4	DUP-05
400-225846-5	PZ-200S
400-225846-6	GSA-2S
400-225846-7	DUP-06
400-225846-8	MW2032/GE-1D

No preservation issues were noted by the laboratory.

The chain of custody (COC) for laboratory report 400-225846-2 states that two containers were shipped for samples PZ-200D, PZ-201D, PZ-203D and DUP-051-4, however two containers were received for samples PZ-200S, GSA-2S and DUP-06.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Duplicate
✓ Laboratory Control Sample
✓ Tracers and Carriers
⊗ Field Blank
✓ Equipment Blank
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this sample set are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.1.2 Analysis Anomaly

400-225791-2: Radium-226 and radium-228 were detected at concentrations less than the minimum detectable concentrations (MDCs) in sample EB-04; however, the combined radium 226 + 228 concentration was reported at a concentration greater than the MDC. Since both radium-226 and radium-228 were less than the MDCs, and radium 226 + 228 was calculated from the less than MDCs for radium-226 and radium-228 and based on professional and technical judgment, the combined radium 226 + 228 concentration in sample EB-04 was U qualified as not detected at or above the MDC.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
EB-04	Combined Radium 226 + 228	0.417	NA	0.417	U	13

pCi/L-picocuries per liter
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding time for the radium-226 and radium-228 analyses of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight method blanks were reported for radium-226 (batches 581883, 582040, 582139, 582212, 582475, 582481, 582623 and 583475) and eight method blanks were reported for radium-228 (batches 581888, 582045, 582166, 582479, 582491, 582627, 583476 and 585515). The radiochemistry parameters were not detected in the method blanks above the MDCs, with the following exceptions.

Radium-228 was detected in the method blanks in batches 582045 (0.7606 pCi/L), 582479 (0.5451 pCi/L), 582491 (0.5784 pCi/L) and 582627 (0.7494 pCi/L) at concentrations greater than the MDCs. Therefore, the radium-228 concentrations were J+ qualified as estimated with high biases and the combined radium concentrations were J+ qualified as estimated with a high bias in the following samples.

MW-100	MW-206	PZ-200S
MW-203	EB-03	PZ-201D
MW-205	GSA-2S	DUP-05
MW-201	PZ-200D	DUP-06

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-100	Radium-228	1.63	NA	1.63	J+	3
MW-100	Combined Radium 226 + 228	2.00	NA	2.00	J+	3
MW-203	Radium-228	1.75	NA	1.75	J+	3
MW-203	Combined Radium 226 + 228	2.75	NA	2.75	J+	3
MW-205	Radium-228	1.05	NA	1.05	J+	3
MW-205	Combined Radium 226 + 228	1.90	NA	1.90	J+	3
MW-201	Radium-228	2.93	NA	2.93	J+	3
MW-201	Combined Radium 226 + 228	4.50	NA	4.50	J+	3
MW-206	Radium-228	3.91	NA	3.91	J+	3
MW-206	Combined Radium 226 + 228	6.19	NA	6.19	J+	3
EB-03	Radium-228	0.672	NA	0.672	J+	3
EB-03	Combined Radium 226 + 228	0.725	NA	0.725	J+	3
GSA-2S	Radium-228	4.76	NA	4.76	J+	3
GSA-2S	Combined Radium 226 + 228	7.22	NA	7.22	J+	3
PZ-200D	Radium-228	0.678	NA	0.678	J+	3

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
PZ-200D	Combined Radium 226 + 228	0.813	NA	0.813	J+	3
PZ-200S	Radium-228	5.35	NA	5.35	J+	3
PZ-200S	Combined Radium 226 + 228	8.71	NA	8.71	J+	3
PZ-201D	Radium-228	1.54	NA	1.54	J+	3
PZ-201D	Combined Radium 226 + 228	1.56	NA	1.56	J+	3
DUP-05	Radium-228	0.574	NA	0.574	J+	3
DUP-05	Combined Radium 226 + 228	0.659	NA	0.659	J+	3
DUP-06	Radium-228	4.21	NA	4.21	J+	3
DUP-06	Combined Radium 226 + 228	7.97	NA	7.97	J+	3

pCi/L-picocuries per liter
NA-not applicable

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

One batch MS/MSD pair was reported for radium-226 and one batch MS/MSD pair was reported for radium-228. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Duplicate

One batch laboratory duplicate was reported for radium-226 and one batch laboratory duplicate was reported for radium-228. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and six LCS/laboratory control sample duplicate (LCSD) pairs were reported for radium-226 and two LCSs and six LCS/LCSD pair were reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria, with the following exception.

400-225667-2 and 400-225846-2: The recoveries of radium-228 in the LCSDs in batches 581888 582627 were high and outside of the laboratory specified acceptance criteria. Therefore, the radium-228 concentrations in the associated samples greater than the MDC were J+ qualified as estimated with high biases and the combined radium 226 + 228 concentrations in these samples were J+ qualified as estimated with a high bias.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MW-101	Radium-228	1.10	NA	1.10	J+	5
MW-101	Combined Radium 226 + 228	1.32	NA	1.32	J+	5
MW-107	Radium-228	1.18	NA	1.18	J+	5
MW-107	Combined Radium 226 + 228	1.46	NA	1.46	J+	5
MW-108	Radium-228	2.69	NA	2.69	J+	5
MW-108	Combined Radium 226 + 228	3.32	NA	3.32	J+	5
MW-306	Radium-228	0.711	NA	0.711	J+	5
MW-306	Combined Radium 226 + 228	0.936	NA	0.936	J+	5
MW-307	Radium-228	1.09	NA	1.09	J+	5
MW-307	Combined Radium 226 + 228	1.36	NA	1.36	J+	5
DUP-01	Radium-228	1.07	NA	1.07	J+	5
DUP-01	Combined Radium 226 + 228	1.36	NA	1.36	J+	5
GSA-2S	Radium-228	4.76	NA	4.76	J+	5
GSA-2S	Combined Radium 226 + 228	7.22	NA	7.22	J+	5
PZ-200S	Radium-228	5.35	NA	5.35	J+	5
PZ-200S	Combined Radium 226 + 228	8.71	NA	8.71	J+	5

pCi/L-picocuries per liter
NA-not applicable

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

Three field blanks were collected with the sample set, FB-01, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs, with the following exception.

400-217490-2 – Combined Radium-226 and 228 was reported in FB-01 at a concentration greater than the MDC. Since Radium 226 and Radium 228 were not detected at concentrations greater than the MDCs in the associated samples, and based on professional and technical judgment, no qualifications were applied to the data.

1.9 Equipment Blank

Three equipment blanks were collected with the sample set, EB-01, EB-02 and EB-03. The radiochemistry parameters were not detected in the equipment blanks above the MDCs, with the following exceptions.

400-225791-2 and 400-225845-2 – Radium-228 was detected in EB-02 (0.437 pCi/L) and EB-03 (0.672 pCi/L) at concentrations greater than the MDCs. Based on professional and technical judgment, no additional qualifications were applied to the results that were qualified due to method blank contamination. However, the radium-228 concentrations were J+ qualified as estimated with high biases and the combined radium concentrations were J+ qualified as estimated with a high bias in the following samples.

MW-103	MW-303	DUP-04
MW-105	MW-304	
DUP-03	MW-308	

400-225791-2 – Combined Radium-226 and 228 was reported in EB-04 at a concentration greater than the MDC. Since the Radium 226 and Radium 228 were not detected at concentrations greater than the MDCs and based on professional and technical judgment, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MW-103	Radium-228	2.14	NA	2.14	J+	3
MW-103	Combined Radium 226 + 228	3.16	NA	3.16	J+	3
MW-105	Radium-228	1.21	NA	1.21	J+	3
MW-105	Combined Radium 226 + 228	2.04	NA	2.04	J+	3
DUP-03	Radium-228	1.53	NA	1.53	J+	3
DUP-03	Combined Radium 226 + 228	2.05	NA	2.05	J+	3
MW-303	Radium-228	3.97	NA	3.97	J+	3
MW-303	Combined Radium 226 + 228	4.49	NA	4.49	J+	3
MW-304	Radium-228	2.43	NA	2.43	J+	3
MW-304	Combined Radium 226 + 228	3.54	NA	3.54	J+	3
MW-308	Radium-228	2.25	NA	2.25	J+	3
MW-308	Combined Radium 226 + 228	2.84	NA	2.84	J+	3
DUP-04	Radium-228	3.76	NA	3.76	J+	3
DUP-04	Combined Radium 226 + 228	4.79	NA	4.79	J+	3

pCi/L-picocuries per liter
NA-not applicable

1.10 Field Duplicate

Seven field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04 DUP-05, DUP-06 and DUP-07. Acceptable precision (RER≤ 3) was demonstrated between the field duplicates and the original samples, MW-100, MW-109, MW-105, MW-304, PZ-201D, PZ-200S and MW-305, respectively, with the following exception.

The RERs for radium-228 in field duplicate pairs MW-304/DUP-04 and PZ-201D/DUP-05 were greater than 3. Therefore, the radium-228 and combined radium concentrations in field duplicate pairs MW-304/DUP-04 and PZ-201D/DUP-05 were J qualified as estimated.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	RER	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-304	Radium-228	2.43	NA	3.1	2.43	J	7
DUP-04	Radium-228	3.76	NA		3.76	J	7
MW-304	Combined Radium 226 + 228	3.54	NA	NA	3.54	J	7
DUP-04	Combined Radium 226 + 228	4.79	NA		4.79	J	7
PZ-201D	Radium-228	1.54	NA	3.3	1.54	J	7
DUP-05	Radium-228	0.574	NA		0.574	J	7
PZ-201D	Combined Radium 226 + 228	1.56	NA	NA	1.56	J	7
DUP-05	Combined Radium 226 + 228	0.659	NA		0.659	J	7

pCi/L-picocuries per liter
NA-not applicable
RER-replicate error ratio

1.11 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

N There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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ANALYTICAL REPORT

PREPARED FOR

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One Energy Place
Pensacola, Florida 32520

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JOB DESCRIPTION

CCR Gulf Clean Energy Center
SDG NUMBER Upgradient E

JOB NUMBER

400-225844-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

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

Authorization



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Job ID: 400-225844-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-225844-1

Comments
Due to supply chain issues, Fluoride had to be run by method 300 instead of 4500. This may cause a deviation from the historic results.

Receipt
The samples were received on 9/13/2022 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Metals
Method 6020: The continuing calibration blank (CCB) for analytical batch 400-592944 contained Calcium above the reporting lim (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-203 (400-225844-2), MW-204 (400-225844-3) and MW-205 (400-225844-4). Elevated reporting limits (RLs) are provided.

Method 6020: The samples are unable to be ran at a lower dilution due to high concentration of Boron. Therefore, all reportable analytes are able to be reported at a higher dilution: MW-203 (400-225844-2), MW-204 (400-225844-3) and MW-205 (400-225844-4). Elevated reporting limits (RLs) are provided.

Method 6020: The method blank for preparation batch 400-592648 and analytical batch 400-592944 contained Calcium above reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6020: The laboratory control sample (LCS) for preparation batch 400-592648 and analytical batch 400-592944 recovered marginally outside control limits for the following analytes: Calcium. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 6020: The ICSA associated with batch 400-593462 recovered above the upper control limit for Calcium. The laboratory control spike associated with this ICSA was within the acceptable limits for the affected analytes; therefore, the data have been reported.

Method 6020: The laboratory control sample (LCS) for preparation batch 400-592648 and analytical batch 400-593462 recovered outside control limits for the following analytes: Boron. These analytes were biased high in the LCS and were below the reporting limit in the associated samples; therefore, the data have been reported.

Method 6020: The CRI associated with batch 400-594019 recovered below the lower control limit for Selenium. The laboratory control spike and method blank associated with this CRI was within the acceptable limits for the affected analytes; therefore, the data have been reported.

Method 6020: The method blank for preparation batch 400-592886 and analytical batch 400-594019 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

At the request of the client, all 6020 analyses that are reported include results for every requested element. This includes some targets that failed to meet QC requirments of the method and would not typically be reported by the laboratory.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-592475 was outside control limits. Sample non-homogeneity is suspected.

Job ID: 400-225844-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration rang MW-204 (400-225844-3). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-203 (400-225844-2), MW-204 (400-225844-3) and MW-205 (400-225844-4). Elevated reporting limits (RLs) are prov

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

Revision
The report being provided is a revision of the original report sent on 10/6/2022. The report (revision 1) is being revised due to: Client wants additional qc reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-202 — Lab Sample ID: 400-225844-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.015		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.013	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	5.3		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00064	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	44		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	10		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	12		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.89				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-203 — Lab Sample ID: 400-225844-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.016		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.018	I	0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.016	I	0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.019	I	0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.019	I	0.025	0.0070	mg/L	50		6020	Total Recoverable
Boron	0.61	V J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	1.2		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	0.85		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	0.83	V J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	0.83	V J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	33		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	36		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	35		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	35		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	35		2.5	1.3	mg/L	50		6020	Total Recoverable
Chromium	0.026	V	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.032		0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.032		0.025	0.010	mg/L	50		6020	Total Recoverable
Selenium	0.020	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.18	J3	0.013	0.0082	mg/L	50		6020	Total Recoverable
Total Dissolved Solids	160		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-203 (Continued)

Lab Sample ID: 400-225844-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	11		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	68		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.58				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-204

Lab Sample ID: 400-225844-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.20	I	1.0	0.14	mg/L	1		300.0	Total/NA
Arsenic	0.0034		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.024		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.035	I	0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.030	I	0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.032	I	0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.032	I	0.050	0.014	mg/L	100		6020	Total Recoverable
Boron	5.2	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	4.9		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	5.0		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	5.1	J3	1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	5.1	J3	1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	62		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	64		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	66		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	63		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	63		5.0	2.5	mg/L	100		6020	Total Recoverable
Chromium	0.051		0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.048	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.048	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Cobalt	0.0092		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Cobalt	0.011	I	0.050	0.011	mg/L	100		6020	Total Recoverable
Cobalt	0.011	I	0.050	0.011	mg/L	100		6020	Total Recoverable
Cobalt	0.011	I	0.050	0.011	mg/L	100		6020	Total Recoverable
Cobalt	0.011	I	0.050	0.011	mg/L	100		6020	Total Recoverable
Lead	0.0016		0.0013	0.00081	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-204 (Continued) — Lab Sample ID: 400-225844-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.033	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.27	J3	0.025	0.016	mg/L	100		6020	Total Recoverable
Selenium	0.29	J3	0.025	0.016	mg/L	100		6020	Total Recoverable
Mercury	0.00015	I	0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	690		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	99		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	280		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	4.38				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-205 — Lab Sample ID: 400-225844-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.041		0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.043		0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.047		0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.047		0.025	0.0070	mg/L	50		6020	Total Recoverable
Boron	1.7	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	1.8		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	1.8		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	1.7	J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	1.7	J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	22		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	24		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	24		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	22		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	22		2.5	1.3	mg/L	50		6020	Total Recoverable
Chromium	0.029	V	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.012	I V	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.021	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.021	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Cobalt	0.0014	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.028	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-205 (Continued)

Lab Sample ID: 400-225844-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.23	J3	0.013	0.0082	mg/L	50		6020	Total Recoverable
Selenium	0.017		0.013	0.0082	mg/L	50		6020	Total Recoverable
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	34		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	89		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.85				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET PEN
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225844-1	MW-202	Water	09/12/22 16:50	09/13/22 17:05
400-225844-2	MW-203	Water	09/13/22 08:57	09/13/22 17:05
400-225844-3	MW-204	Water	09/12/22 14:00	09/13/22 17:05
400-225844-4	MW-205	Water	09/12/22 16:02	09/13/22 17:05

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 09/12/22 16:50
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-1

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 15:29	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/15/22 11:48	09/16/22 21:22	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/15/22 11:48	09/16/22 21:22	5
Barium	**0.015**		0.0025	0.00070	mg/L		09/15/22 11:48	09/16/22 21:22	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/15/22 11:48	09/16/22 21:22	5
Boron	**0.013**	**I**	0.050	0.0012	mg/L		09/15/22 11:48	09/16/22 21:22	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/15/22 11:48	09/16/22 21:22	5
Calcium	**5.3**		0.25	0.13	mg/L		09/15/22 11:48	09/16/22 21:22	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/15/22 11:48	09/16/22 21:22	5
Cobalt	**0.00064**	**I**	0.0025	0.00056	mg/L		09/15/22 11:48	09/16/22 21:22	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/15/22 11:48	09/16/22 21:22	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/15/22 11:48	09/16/22 21:22	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/15/22 11:48	09/16/22 21:22	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/15/22 11:48	09/16/22 21:22	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/15/22 11:48	09/16/22 21:22	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**44**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**10**		2.0	1.4	mg/L			09/17/22 19:45	1
Sulfate (SM 4500 SO4 E)	**12**		5.0	1.4	mg/L			09/18/22 22:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.89**				SU			09/13/22 16:50	1

Client Sample ID: MW-203

Date Collected: 09/13/22 08:57
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-2

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 15:52	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:06	5
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/23/22 20:15	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/26/22 19:08	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/27/22 23:35	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/27/22 23:35	50
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:06	5
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/23/22 20:15	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/26/22 19:08	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/27/22 23:35	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/27/22 23:35	50
Barium	**0.016**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:06	5
Barium	**0.018**	**I**	0.025	0.0070	mg/L		09/17/22 10:31	09/23/22 20:15	50
Barium	**0.016**	**I**	0.025	0.0070	mg/L		09/17/22 10:31	09/26/22 19:08	50
Barium	**0.019**	**I**	0.025	0.0070	mg/L		09/17/22 10:31	09/27/22 23:35	50
Barium	**0.019**	**I**	0.025	0.0070	mg/L		09/17/22 10:31	09/27/22 23:35	50
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:06	5
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/23/22 20:15	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/26/22 19:08	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/27/22 23:35	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/27/22 23:35	50
Boron	**0.61**	**V J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:06	5
Boron	**1.2**		0.50	0.012	mg/L		09/17/22 10:31	09/23/22 20:15	50
Boron	**0.85**		0.50	0.012	mg/L		09/17/22 10:31	09/26/22 19:08	50
Boron	**0.83**	**V J3**	0.50	0.012	mg/L		09/17/22 10:31	09/27/22 23:35	50
Boron	**0.83**	**V J3**	0.50	0.012	mg/L		09/17/22 10:31	09/27/22 23:35	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:06	5
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/23/22 20:15	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/26/22 19:08	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/27/22 23:35	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/27/22 23:35	50
Calcium	**33**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:06	5
Calcium	**36**		2.5	1.3	mg/L		09/17/22 10:31	09/23/22 20:15	50
Calcium	**35**		2.5	1.3	mg/L		09/17/22 10:31	09/26/22 19:08	50
Calcium	**35**		2.5	1.3	mg/L		09/17/22 10:31	09/27/22 23:35	50
Calcium	**35**		2.5	1.3	mg/L		09/17/22 10:31	09/27/22 23:35	50
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:06	5
Chromium	**0.026**	**V**	0.025	0.010	mg/L		09/17/22 10:31	09/23/22 20:15	50
Chromium	0.010	U	0.025	0.010	mg/L		09/17/22 10:31	09/26/22 19:08	50
Chromium	**0.032**		0.025	0.010	mg/L		09/17/22 10:31	09/27/22 23:35	50
Chromium	**0.032**		0.025	0.010	mg/L		09/17/22 10:31	09/27/22 23:35	50
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:06	5
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/23/22 20:15	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/26/22 19:08	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/27/22 23:35	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/27/22 23:35	50
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:06	5

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-203

Date Collected: 09/13/22 08:57
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/23/22 20:15	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/26/22 19:08	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/27/22 23:35	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/27/22 23:35	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:06	5
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/23/22 20:15	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/26/22 19:08	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/27/22 23:35	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/27/22 23:35	50
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:06	5
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/23/22 20:15	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/26/22 19:08	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/27/22 23:35	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/27/22 23:35	50
Selenium	**0.020**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:06	5
Selenium	**0.18**	**J3**	0.013	0.0082	mg/L		09/17/22 10:31	09/23/22 20:15	50
Selenium	0.0082	U	0.013	0.0082	mg/L		09/17/22 10:31	09/26/22 19:08	50
Selenium	0.0082	U J3	0.013	0.0082	mg/L		09/17/22 10:31	09/27/22 23:35	50
Selenium	0.0082	U	0.013	0.0082	mg/L		09/17/22 10:31	09/27/22 23:35	50
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:06	5
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/23/22 20:15	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/26/22 19:08	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/27/22 23:35	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/27/22 23:35	50

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:52	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**11**		2.0	1.4	mg/L			09/17/22 19:45	1
Sulfate (SM 4500 SO4 E)	**68**		25	7.0	mg/L			09/18/22 22:53	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.58**				SU			09/13/22 08:57	1

Client Sample ID: MW-204

Date Collected: 09/12/22 14:00
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-3

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.20**	**I**	1.0	0.14	mg/L			09/16/22 16:15	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:09	5
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/22/22 21:37	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/23/22 20:39	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:03	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:03	100
Arsenic	**0.0034**		0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:09	5
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/22/22 21:37	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/23/22 20:39	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:03	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:03	100
Barium	**0.024**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:09	5
Barium	**0.035**	**I**	0.050	0.014	mg/L		09/17/22 10:31	09/22/22 21:37	100
Barium	**0.030**	**I**	0.050	0.014	mg/L		09/17/22 10:31	09/23/22 20:39	100
Barium	**0.032**	**I**	0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:03	100
Barium	**0.032**	**I**	0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:03	100
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:09	5
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/22/22 21:37	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/23/22 20:39	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:03	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:03	100
Boron	**5.2**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:09	5
Boron	**4.9**		1.0	0.024	mg/L		09/17/22 10:31	09/22/22 21:37	100
Boron	**5.0**		1.0	0.024	mg/L		09/17/22 10:31	09/23/22 20:39	100
Boron	**5.1**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:03	100
Boron	**5.1**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:03	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:09	5
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/22/22 21:37	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/23/22 20:39	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:03	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:03	100
Calcium	**62**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:09	5
Calcium	**64**		5.0	2.5	mg/L		09/17/22 10:31	09/22/22 21:37	100
Calcium	**66**		5.0	2.5	mg/L		09/17/22 10:31	09/23/22 20:39	100
Calcium	**63**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:03	100
Calcium	**63**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:03	100
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:09	5
Chromium	0.020	U	0.050	0.020	mg/L		09/17/22 10:31	09/22/22 21:37	100
Chromium	**0.051**		0.050	0.020	mg/L		09/17/22 10:31	09/23/22 20:39	100
Chromium	**0.048**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:03	100
Chromium	**0.048**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:03	100
Cobalt	**0.0092**		0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:09	5
Cobalt	**0.011**	**I**	0.050	0.011	mg/L		09/17/22 10:31	09/22/22 21:37	100
Cobalt	**0.011**	**I**	0.050	0.011	mg/L		09/17/22 10:31	09/23/22 20:39	100
Cobalt	**0.011**	**I**	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:03	100
Cobalt	**0.011**	**I**	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:03	100
Lead	**0.0016**		0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:09	5

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-204

Date Collected: 09/12/22 14:00
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:37	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:39	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:03	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:03	100
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:09	5
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/22/22 21:37	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/23/22 20:39	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:03	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:03	100
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:09	5
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/22/22 21:37	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/23/22 20:39	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:03	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:03	100
Selenium	**0.033**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:09	5
Selenium	**0.27**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:37	100
Selenium	**0.29**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:39	100
Selenium	0.016	U J3	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:03	100
Selenium	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:03	100
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:09	5
Thallium	0.0092	U J3	0.010	0.0092	mg/L		09/17/22 10:31	09/22/22 21:37	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/23/22 20:39	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:03	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:03	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**I**	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**690**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**99**		10	7.0	mg/L			09/17/22 20:17	5
Sulfate (SM 4500 SO4 E)	**280**		50	14	mg/L			09/18/22 22:49	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.38**				SU			09/12/22 14:00	1

Client Sample ID: MW-205

Date Collected: 09/12/22 16:02
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-4

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 16:38	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:12	5
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/23/22 20:42	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/26/22 19:15	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:06	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:06	50
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:12	5
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/23/22 20:42	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/26/22 19:15	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:06	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:06	50
Barium	**0.040**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:12	5
Barium	**0.041**		0.025	0.0070	mg/L		09/17/22 10:31	09/23/22 20:42	50
Barium	**0.043**		0.025	0.0070	mg/L		09/17/22 10:31	09/26/22 19:15	50
Barium	**0.047**		0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:06	50
Barium	**0.047**		0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:06	50
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:12	5
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/23/22 20:42	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/26/22 19:15	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:06	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:06	50
Boron	**1.7**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:12	5
Boron	**1.8**		0.50	0.012	mg/L		09/17/22 10:31	09/23/22 20:42	50
Boron	**1.8**		0.50	0.012	mg/L		09/17/22 10:31	09/26/22 19:15	50
Boron	**1.7**	**J3**	0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:06	50
Boron	**1.7**	**J3**	0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:06	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:12	5
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/23/22 20:42	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/26/22 19:15	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:06	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:06	50
Calcium	**22**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:12	5
Calcium	**24**		2.5	1.3	mg/L		09/17/22 10:31	09/23/22 20:42	50
Calcium	**24**		2.5	1.3	mg/L		09/17/22 10:31	09/26/22 19:15	50
Calcium	**22**		2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:06	50
Calcium	**22**		2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:06	50
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:12	5
Chromium	**0.029**	**V**	0.025	0.010	mg/L		09/17/22 10:31	09/23/22 20:42	50
Chromium	**0.012**	**I V**	0.025	0.010	mg/L		09/17/22 10:31	09/26/22 19:15	50
Chromium	**0.021**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:06	50
Chromium	**0.021**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:06	50
Cobalt	**0.0014**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:12	5
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/23/22 20:42	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/26/22 19:15	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:06	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:06	50
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:12	5

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-205

Date Collected: 09/12/22 16:02
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/23/22 20:42	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/26/22 19:15	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:06	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:06	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:12	5
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/23/22 20:42	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/26/22 19:15	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:06	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:06	50
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:12	5
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/23/22 20:42	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/26/22 19:15	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:06	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:06	50
Selenium	**0.028**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:12	5
Selenium	**0.23**	**J3**	0.013	0.0082	mg/L		09/17/22 10:31	09/23/22 20:42	50
Selenium	**0.017**		0.013	0.0082	mg/L		09/17/22 10:31	09/26/22 19:15	50
Selenium	0.0082	U J3	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:06	50
Selenium	0.0082	U	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:06	50
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:12	5
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/23/22 20:42	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/26/22 19:15	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:06	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:06	50

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**220**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**34**		2.0	1.4	mg/L			09/17/22 19:44	1
Sulfate (SM 4500 SO4 E)	**89**		25	7.0	mg/L			09/18/22 22:50	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.85**				SU			09/12/22 16:02	1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 09/12/22 16:50
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 15:29
Total Recoverable	Prep	3005A			592648	KWN	EET PEN	09/15/22 11:48 - 09/15/22 15:40 [1]
Total Recoverable	Analysis	6020		5	592944	NTH	EET PEN	09/16/22 21:22
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:50
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		1	592920	DN1	EET PEN	09/17/22 19:45
Total/NA	Analysis	SM 4500 SO4 E		1	592948	DN1	EET PEN	09/18/22 22:51
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/13/22 16:50

Client Sample ID: MW-203

Date Collected: 09/13/22 08:57
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 15:52
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:06
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	593804	NTH	EET PEN	09/23/22 20:15
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594019	BAW	EET PEN	09/26/22 19:08
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594191	NTH	EET PEN	09/27/22 23:35
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594320	NTH	EET PEN	09/27/22 23:35
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:52
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		1	592920	DN1	EET PEN	09/17/22 19:45
Total/NA	Analysis	SM 4500 SO4 E		5	592948	DN1	EET PEN	09/18/22 22:53
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/13/22 08:57

Client Sample ID: MW-204

Date Collected: 09/12/22 14:00
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 16:15
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:09
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593654	NTH	EET PEN	09/22/22 21:37

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Client Sample ID: MW-204

Date Collected: 09/12/22 14:00
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593804	NTH	EET PEN	09/23/22 20:39
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594191	NTH	EET PEN	09/28/22 00:03
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594320	NTH	EET PEN	09/28/22 00:03
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:25
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		5	592920	DN1	EET PEN	09/17/22 20:17
Total/NA	Analysis	SM 4500 SO4 E		10	592948	DN1	EET PEN	09/18/22 22:49
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/12/22 14:00

Client Sample ID: MW-205

Date Collected: 09/12/22 16:02
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225844-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 16:38
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:12
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	593804	NTH	EET PEN	09/23/22 20:42
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594019	BAW	EET PEN	09/26/22 19:15
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594191	NTH	EET PEN	09/28/22 00:06
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594320	NTH	EET PEN	09/28/22 00:06
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:28
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		1	592920	DN1	EET PEN	09/17/22 19:44
Total/NA	Analysis	SM 4500 SO4 E		5	592948	DN1	EET PEN	09/18/22 22:50
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/12/22 16:02

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

HPLC/IC

Analysis Batch: 592785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	300.0	
400-225844-2	MW-203	Total/NA	Water	300.0	
400-225844-3	MW-204	Total/NA	Water	300.0	
400-225844-4	MW-205	Total/NA	Water	300.0	
MB 400-592785/5	Method Blank	Total/NA	Water	300.0	
LCS 400-592785/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-592785/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225893-I-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225893-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 592648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total Recoverable	Water	3005A	
MB 400-592648/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-592648/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 400-592648/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225912-A-2-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225912-A-2-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 592886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	3005A	
400-225844-3	MW-204	Total Recoverable	Water	3005A	
400-225844-4	MW-205	Total Recoverable	Water	3005A	
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225846-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225846-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 592944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total Recoverable	Water	6020	592648
MB 400-592648/1-A ^5	Method Blank	Total Recoverable	Water	6020	592648
LCS 400-592648/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592648
400-225912-A-2-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	592648
400-225912-A-2-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	592648

Analysis Batch: 593338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	6020	592886
400-225844-3	MW-204	Total Recoverable	Water	6020	592886
400-225844-4	MW-205	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886
400-225846-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	592886
400-225846-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	592886

Metals

Analysis Batch: 593462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-592648/2-A	Lab Control Sample	Total Recoverable	Water	6020	592648

Analysis Batch: 593654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-3	MW-204	Total Recoverable	Water	6020	592886

Analysis Batch: 593804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	6020	592886
400-225844-3	MW-204	Total Recoverable	Water	6020	592886
400-225844-4	MW-205	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886

Analysis Batch: 594019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	6020	592886
400-225844-4	MW-205	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886

Analysis Batch: 594191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	6020	592886
400-225844-3	MW-204	Total Recoverable	Water	6020	592886
400-225844-4	MW-205	Total Recoverable	Water	6020	592886

Prep Batch: 594225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	7470A	
400-225844-2	MW-203	Total/NA	Water	7470A	
400-225844-3	MW-204	Total/NA	Water	7470A	
400-225844-4	MW-205	Total/NA	Water	7470A	
MB 400-594225/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-594225/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225722-D-2-C MS	Matrix Spike	Total/NA	Water	7470A	
400-225722-D-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 594320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-2	MW-203	Total Recoverable	Water	6020	592886
400-225844-3	MW-204	Total Recoverable	Water	6020	592886
400-225844-4	MW-205	Total Recoverable	Water	6020	592886

Analysis Batch: 594812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	7470A	594225
400-225844-2	MW-203	Total/NA	Water	7470A	594225
400-225844-3	MW-204	Total/NA	Water	7470A	594225
400-225844-4	MW-205	Total/NA	Water	7470A	594225
MB 400-594225/14-A	Method Blank	Total/NA	Water	7470A	594225

Metals (Continued)

Analysis Batch: 594812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-594225/15-A	Lab Control Sample	Total/NA	Water	7470A	594225
400-225722-D-2-C MS	Matrix Spike	Total/NA	Water	7470A	594225
400-225722-D-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	594225

General Chemistry

Analysis Batch: 592475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	SM 2540C	
400-225844-2	MW-203	Total/NA	Water	SM 2540C	
400-225844-3	MW-204	Total/NA	Water	SM 2540C	
400-225844-4	MW-205	Total/NA	Water	SM 2540C	
MB 400-592475/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-592475/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225844-4 DU	MW-205	Total/NA	Water	SM 2540C	

Analysis Batch: 592920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	SM 4500 Cl- E	
400-225844-2	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-225844-3	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-225844-4	MW-205	Total/NA	Water	SM 4500 Cl- E	
MB 400-592920/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592920/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592920/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225791-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225791-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-225844-2	MW-203	Total/NA	Water	SM 4500 SO4 E	
400-225844-3	MW-204	Total/NA	Water	SM 4500 SO4 E	
400-225844-4	MW-205	Total/NA	Water	SM 4500 SO4 E	
MB 400-592948/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592948/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592948/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225844-1 MS	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-225844-1 MSD	MW-202	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 594498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225844-1	MW-202	Total/NA	Water	Field Sampling	
400-225844-2	MW-203	Total/NA	Water	Field Sampling	
400-225844-3	MW-204	Total/NA	Water	Field Sampling	
400-225844-4	MW-205	Total/NA	Water	Field Sampling	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-592785/5
Matrix: Water
Analysis Batch: 592785

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 10:56	1

Lab Sample ID: LCS 400-592785/6
Matrix: Water
Analysis Batch: 592785

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10.0	10.7		mg/L		107	90 - 110		

Lab Sample ID: LCSD 400-592785/7
Matrix: Water
Analysis Batch: 592785

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride			10.0	10.7		mg/L		107	90 - 110	0	15

Lab Sample ID: 400-225893-I-1 MS
Matrix: Water
Analysis Batch: 592785

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	4.5		10.0	15.3		mg/L		108	80 - 120		

Lab Sample ID: 400-225893-I-1 MSD
Matrix: Water
Analysis Batch: 592785

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	4.5		10.0	15.9		mg/L		114	80 - 120	4	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-592648/1-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/15/22 11:48	09/16/22 20:39	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/15/22 11:48	09/16/22 20:39	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/15/22 11:48	09/16/22 20:39	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/15/22 11:48	09/16/22 20:39	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/15/22 11:48	09/16/22 20:39	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/15/22 11:48	09/16/22 20:39	5
Calcium	1.03		0.25	0.13	mg/L		09/15/22 11:48	09/16/22 20:39	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/15/22 11:48	09/16/22 20:39	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/15/22 11:48	09/16/22 20:39	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/15/22 11:48	09/16/22 20:39	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/15/22 11:48	09/16/22 20:39	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/15/22 11:48	09/16/22 20:39	5
Selenium	0.00128	I	0.0013	0.00082	mg/L		09/15/22 11:48	09/16/22 20:39	5

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

Lab Sample ID: MB 400-592648/1-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/15/22 11:48	09/16/22 20:39	5

Lab Sample ID: LCS 400-592648/2-A
Matrix: Water
Analysis Batch: 593462

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0538		mg/L		108	80 - 120
Arsenic	0.0500	0.0504		mg/L		101	80 - 120
Barium	0.0500	0.0511		mg/L		102	80 - 120
Beryllium	0.0500	0.0518		mg/L		104	80 - 120
Boron	0.100	0.137	J3	mg/L		137	80 - 120
Cadmium	0.0500	0.0529		mg/L		106	80 - 120
Calcium	5.00	5.18		mg/L		104	80 - 120
Chromium	0.0500	0.0526		mg/L		105	80 - 120
Cobalt	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0511		mg/L		102	80 - 120
Lithium	0.0500	0.0493		mg/L		99	80 - 120
Molybdenum	0.0500	0.0516		mg/L		103	80 - 120
Selenium	0.0500	0.0505		mg/L		101	80 - 120
Thallium	0.0100	0.0101		mg/L		101	80 - 120

Lab Sample ID: LCS 400-592648/2-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0540		mg/L		108	80 - 120
Arsenic	0.0500	0.0508		mg/L		102	80 - 120
Barium	0.0500	0.0529		mg/L		106	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	0.100	0.0430	I J3	mg/L		43	80 - 120
Cadmium	0.0500	0.0518		mg/L		104	80 - 120
Calcium	5.00	6.12	V J3	mg/L		122	80 - 120
Chromium	0.0500	0.0520		mg/L		104	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Lead	0.0500	0.0495		mg/L		99	80 - 120
Lithium	0.0500	0.0481		mg/L		96	80 - 120
Molybdenum	0.0500	0.0548		mg/L		110	80 - 120
Selenium	0.0500	0.0510		mg/L		102	80 - 120
Thallium	0.0100	0.0100		mg/L		100	80 - 120

Lab Sample ID: 400-225912-A-2-B MS ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0547		mg/L		109	75 - 125
Arsenic	0.0012	U	0.0500	0.0518		mg/L		104	75 - 125

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

Lab Sample ID: 400-225912-A-2-B MS ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.27		0.0500	0.326		mg/L		117	75 - 125
Beryllium	0.00092	U	0.0500	0.0513		mg/L		103	75 - 125
Boron	0.59	J3	0.100	0.708		mg/L		116	75 - 125
Cadmium	0.00065	U	0.0500	0.0512		mg/L		102	75 - 125
Calcium	130	L J3	5.00	134	L	mg/L		121	75 - 125
Chromium	0.0010	U	0.0500	0.0503		mg/L		101	75 - 125
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125
Lead	0.00081	U	0.0500	0.0503		mg/L		101	75 - 125
Lithium	0.019		0.0500	0.0691		mg/L		101	75 - 125
Molybdenum	0.0013	U	0.0500	0.0522		mg/L		104	75 - 125
Selenium	0.0026	V	0.0500	0.0501		mg/L		95	75 - 125
Thallium	0.00046	U	0.0100	0.0101		mg/L		101	75 - 125

Lab Sample ID: 400-225912-A-2-C MSD ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 592648

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0539		mg/L		108	75 - 125	1	20
Arsenic	0.0012	U	0.0500	0.0511		mg/L		102	75 - 125	1	20
Barium	0.27		0.0500	0.316		mg/L		97	75 - 125	3	20
Beryllium	0.00092	U	0.0500	0.0493		mg/L		99	75 - 125	4	20
Boron	0.59	J3	0.100	0.675		mg/L		84	75 - 125	5	20
Cadmium	0.00065	U	0.0500	0.0515		mg/L		103	75 - 125	0	20
Calcium	130	L J3	5.00	133	L	mg/L		85	75 - 125	1	20
Chromium	0.0010	U	0.0500	0.0514		mg/L		103	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0501		mg/L		100	75 - 125	0	20
Lead	0.00081	U	0.0500	0.0489		mg/L		98	75 - 125	3	20
Lithium	0.019		0.0500	0.0671		mg/L		97	75 - 125	3	20
Molybdenum	0.0013	U	0.0500	0.0510		mg/L		102	75 - 125	2	20
Selenium	0.0026	V	0.0500	0.0511		mg/L		97	75 - 125	2	20
Thallium	0.00046	U	0.0100	0.00974		mg/L		97	75 - 125	3	20

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 18:42	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 18:42	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 18:42	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 18:42	5
Boron	0.144		0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 18:42	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 18:42	5
Calcium	0.132	I	0.25	0.13	mg/L		09/17/22 10:31	09/20/22 18:42	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 18:42	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 18:42	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 18:42	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 18:42	5

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

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 18:42	5
Selenium	0.0180		0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 18:42	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 18:42	5

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593804

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/23/22 19:47	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/23/22 19:47	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/23/22 19:47	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/23/22 19:47	5
Boron	0.00374	I	0.050	0.0012	mg/L		09/17/22 10:31	09/23/22 19:47	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/23/22 19:47	5
Calcium	0.13	U	0.25	0.13	mg/L		09/17/22 10:31	09/23/22 19:47	5
Chromium	0.00292		0.0025	0.0010	mg/L		09/17/22 10:31	09/23/22 19:47	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/23/22 19:47	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/23/22 19:47	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/23/22 19:47	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/23/22 19:47	5
Selenium	0.0144		0.0013	0.00082	mg/L		09/17/22 10:31	09/23/22 19:47	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/23/22 19:47	5

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/26/22 18:19	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/26/22 18:19	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/26/22 18:19	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/26/22 18:19	5
Boron	0.0108	I	0.050	0.0012	mg/L		09/17/22 10:31	09/26/22 18:19	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/26/22 18:19	5
Calcium	0.141	I	0.25	0.13	mg/L		09/17/22 10:31	09/26/22 18:19	5
Chromium	0.00167	I	0.0025	0.0010	mg/L		09/17/22 10:31	09/26/22 18:19	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/26/22 18:19	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/26/22 18:19	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/26/22 18:19	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/26/22 18:19	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/17/22 10:31	09/26/22 18:19	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/26/22 18:19	5

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

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0532		mg/L		106	80 - 120
Arsenic	0.0500	0.0506		mg/L		101	80 - 120
Barium	0.0500	0.0518		mg/L		104	80 - 120
Beryllium	0.0500	0.0494		mg/L		99	80 - 120
Boron	0.100	0.202	V J3	mg/L		202	80 - 120
Cadmium	0.0500	0.0527		mg/L		105	80 - 120
Calcium	5.00	5.38		mg/L		108	80 - 120
Chromium	0.0500	0.0522		mg/L		104	80 - 120
Cobalt	0.0500	0.0504		mg/L		101	80 - 120
Lead	0.0500	0.0504		mg/L		101	80 - 120
Lithium	0.0500	0.0493		mg/L		99	80 - 120
Molybdenum	0.0500	0.0537		mg/L		107	80 - 120
Selenium	0.0500	0.0687	V J3	mg/L		137	80 - 120
Thallium	0.0100	0.00998		mg/L		100	80 - 120

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 593804

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0516		mg/L		103	80 - 120
Arsenic	0.0500	0.0506		mg/L		101	80 - 120
Barium	0.0500	0.0518		mg/L		104	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	0.100	0.0908		mg/L		91	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	5.00	5.16		mg/L		103	80 - 120
Chromium	0.0500	0.0553		mg/L		111	80 - 120
Cobalt	0.0500	0.0518		mg/L		104	80 - 120
Lead	0.0500	0.0502		mg/L		100	80 - 120
Lithium	0.0500	0.0474		mg/L		95	80 - 120
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0673	V J3	mg/L		135	80 - 120
Thallium	0.0100	0.0101		mg/L		101	80 - 120

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0574		mg/L		115	80 - 120
Arsenic	0.0500	0.0524		mg/L		105	80 - 120
Barium	0.0500	0.0549		mg/L		110	80 - 120
Beryllium	0.0500	0.0536		mg/L		107	80 - 120
Boron	0.100	0.104	V	mg/L		104	80 - 120
Cadmium	0.0500	0.0561		mg/L		112	80 - 120
Calcium	5.00	5.11		mg/L		102	80 - 120
Chromium	0.0500	0.0586		mg/L		117	80 - 120
Cobalt	0.0500	0.0555		mg/L		111	80 - 120

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

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			0.0500	0.0553		mg/L		111	80 - 120		
Lithium			0.0500	0.0543		mg/L		109	80 - 120		
Molybdenum			0.0500	0.0579		mg/L		116	80 - 120		
Selenium			0.0500	0.0553		mg/L		111	80 - 120		
Thallium			0.0100	0.0112		mg/L		112	80 - 120		

Lab Sample ID: 400-225846-D-1-B MS ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	0.0015	U	0.0500	0.0530		mg/L		106	75 - 125		
Arsenic	0.0012	U	0.0500	0.0503		mg/L		101	75 - 125		
Barium	0.029		0.0500	0.0810		mg/L		104	75 - 125		
Beryllium	0.00092	U	0.0500	0.0490		mg/L		98	75 - 125		
Boron	0.12	V J3	0.100	0.193	J3 V	mg/L		68	75 - 125		
Cadmium	0.00065	U	0.0500	0.0521		mg/L		104	75 - 125		
Calcium	4.9		5.00	10.2		mg/L		105	75 - 125		
Chromium	0.0010	U	0.0500	0.0527		mg/L		105	75 - 125		
Cobalt	0.00056	U	0.0500	0.0499		mg/L		100	75 - 125		
Lead	0.00081	U	0.0500	0.0499		mg/L		100	75 - 125		
Lithium	0.0049	U	0.0500	0.0482		mg/L		96	75 - 125		
Molybdenum	0.0013	U	0.0500	0.0493		mg/L		99	75 - 125		
Selenium	0.018	V J3	0.0500	0.0737	V	mg/L		111	75 - 125		
Thallium	0.00046	U	0.0100	0.0100		mg/L		100	75 - 125		

Lab Sample ID: 400-225846-D-1-C MSD ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0539		mg/L		108	75 - 125	2	20
Arsenic	0.0012	U	0.0500	0.0501		mg/L		100	75 - 125	0	20
Barium	0.029		0.0500	0.0811		mg/L		104	75 - 125	0	20
Beryllium	0.00092	U	0.0500	0.0492		mg/L		98	75 - 125	0	20
Boron	0.12	V J3	0.100	0.171	V J3	mg/L		46	75 - 125	12	20
Cadmium	0.00065	U	0.0500	0.0528		mg/L		106	75 - 125	1	20
Calcium	4.9		5.00	10.1		mg/L		103	75 - 125	1	20
Chromium	0.0010	U	0.0500	0.0541		mg/L		108	75 - 125	3	20
Cobalt	0.00056	U	0.0500	0.0508		mg/L		102	75 - 125	2	20
Lead	0.00081	U	0.0500	0.0503		mg/L		101	75 - 125	1	20
Lithium	0.0049	U	0.0500	0.0500		mg/L		100	75 - 125	4	20
Molybdenum	0.0013	U	0.0500	0.0515		mg/L		103	75 - 125	4	20
Selenium	0.018	V J3	0.0500	0.0744	V	mg/L		112	75 - 125	1	20
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-594225/14-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594225

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 08:56	1

Lab Sample ID: LCS 400-594225/15-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594225

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00101	0.00102		mg/L		102	80 - 120		

Lab Sample ID: 400-225722-D-2-C MS
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 594225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.00015	U	0.00201	0.00233		mg/L		116	80 - 120		

Lab Sample ID: 400-225722-D-2-D MSD
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 594225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00225		mg/L		112	80 - 120	4	20

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

Lab Sample ID: MB 400-592475/1
Matrix: Water
Analysis Batch: 592475

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/14/22 11:43	1

Lab Sample ID: LCS 400-592475/2
Matrix: Water
Analysis Batch: 592475

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			293	262		mg/L		89	78 - 122		

Lab Sample ID: 400-225844-4 DU
Matrix: Water
Analysis Batch: 592475

Client Sample ID: MW-205
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	220			236	J3	mg/L				6	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-592920/13
Matrix: Water
Analysis Batch: 592920

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/17/22 19:40	1

Lab Sample ID: LCS 400-592920/14
Matrix: Water
Analysis Batch: 592920

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592920/15
Matrix: Water
Analysis Batch: 592920

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.68	I	mg/L		84	50 - 150

Lab Sample ID: 400-225791-A-1 MS
Matrix: Water
Analysis Batch: 592920

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.1		10.0	16.4		mg/L		93	73 - 120

Lab Sample ID: 400-225791-A-1 MSD
Matrix: Water
Analysis Batch: 592920

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.1		10.0	16.5		mg/L		94	73 - 120	1	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-592948/12
Matrix: Water
Analysis Batch: 592948

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/18/22 22:42	1

Lab Sample ID: LCS 400-592948/13
Matrix: Water
Analysis Batch: 592948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.9		mg/L		100	90 - 110

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: MRL 400-592948/14
Matrix: Water
Analysis Batch: 592948

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.31	I	mg/L		86	50 - 150		

Lab Sample ID: 400-225844-1 MS
Matrix: Water
Analysis Batch: 592948

Client Sample ID: MW-202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	12		10.0	23.2		mg/L		117	77 - 128		

Lab Sample ID: 400-225844-1 MSD
Matrix: Water
Analysis Batch: 592948

Client Sample ID: MW-202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	12		10.0	23.1		mg/L		116	77 - 128	0	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Kyle Hagendorfer / Trevor Braddock	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-113842-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Upgradient E	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-225844 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-202	9-12-22	1650	G	Water	NO		X	X	X	X	X	X	4	
MW-203	9-13-22	0857	G	Water	NO		X	X	X	X	X	X	4	
MW-204	9-12-22	1400	G	Water	NO		X	X	X	X	X	X	4	
MW-205	9-12-22	1602	G	Water	NO		X	X	X	X	X	X	4	
				Water										
				Water										

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

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

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

Special Instructions/QC Requirements: ADaPT Files

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9-13-22 1705	RDH ENV.		9/13/22 1705	EES
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.3°C IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225844-1
SDG Number: Upgradient E

Login Number: 225844
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.3°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225844-1
SDG: Upgradient E

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

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ANALYTICAL REPORT

PREPARED FOR

Attn: Barry Evans
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Generated 1/30/2023 3:14:43 PM Revision 1

JOB DESCRIPTION

CCR Gulf Clean Energy Center
SDG NUMBER Downgradient D

JOB NUMBER

400-225845-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

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

Authorization



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Revision 1

Authorized for release by
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Job ID: 400-225845-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-225845-1

Comments
Due to supply chain issues, Fluoride had to be run by method 300 instead of 4500. This may cause a deviation from the historic results.

Receipt
The samples were received on 9/13/2022 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7º C.

Metals
Method 6020: The ICV for batch 400-593338 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for fie samples. Data has therefore been reported and narrated accordingly.

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-225845-1) and MW-206 (400-225845-3). Elevated reporting limits (RLs) are provided.

Method 6020: The samples are unable to be ran at a lower dilution due to high concentration of Boron. Therefore, all reportable analytes are able to be reported at a higher dilution: MW-200 (400-225845-1), MW-201 (400-225845-2), MW-206 (400-225845-3 and FB-03 (400-225845-4). Elevated reporting limits (RLs) are provided.

Method 6020: The ICV for batch 400-594320 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for fie samples. Data has therefore been reported and narrated accordingly.

Method 6020: The CRI associated with batch 400-594019 recovered above the upper control limit for Selenium. The laboratory control spike associated with this CCV were within the acceptable limits for the affected analytes; therefore, the data have been reported.

At the request of the client, all 6020 analyses that are reported include results for every requested element. This includes some targets that failed to meet QC requirments of the method and would not typically be reported by the laboratory.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-592475 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-225845-1), MW-201 (400-225845-2) and MW-206 (400-225845-3). Elevated reporting limits (RLs) are prov

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-225845-1), MW-201 (400-225845-2) and MW-206 (400-225845-3). Elevated reporting limits (RLs) are prov

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

Revision
The report being provided is a revision of the original report sent on 10/18/2022. The report (revision 1) is being revised due to: Client wants additional qc reported.

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-200 — Lab Sample ID: 400-225845-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.27	I	1.0	0.14	mg/L	1		300.0	Total/NA
Barium	0.059		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.060		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.099		0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.088		0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.084		0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.084		0.050	0.014	mg/L	100		6020	Total Recoverable
Boron	4.5	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	4.6	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	7.2		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	7.3		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	4.6	J3	1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	4.6	J3	1.0	0.024	mg/L	100		6020	Total Recoverable
Cadmium	0.0027		0.0025	0.00065	mg/L	5		6020	Total Recoverable
Cadmium	0.0029		0.0025	0.00065	mg/L	5		6020	Total Recoverable
Calcium	93		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	93		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	180		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	180		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	93		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	93		5.0	2.5	mg/L	100		6020	Total Recoverable
Chromium	0.050		0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.048	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.048	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Cobalt	0.00069	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Cobalt	0.00081	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.026	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.026	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.27	J3	0.025	0.016	mg/L	100		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-200 (Continued) — Lab Sample ID: 400-225845-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.46	J3	0.025	0.016	mg/L	100		6020	Total Recoverable
Mercury	0.00038		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	600		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	180		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	130		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.82				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-201 — Lab Sample ID: 400-225845-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.0029		0.0025	0.0015	mg/L	5		6020	Total Recoverable
Arsenic	0.0028		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.034		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.036		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.036		0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.041		0.025	0.0070	mg/L	50		6020	Total Recoverable
Barium	0.041		0.025	0.0070	mg/L	50		6020	Total Recoverable
Beryllium	0.0031		0.0025	0.00092	mg/L	5		6020	Total Recoverable
Boron	2.8	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	2.9	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	0.54		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	2.8		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	2.7	J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	2.7		0.50	0.012	mg/L	50		6020	Total Recoverable
Cadmium	0.00066	I	0.0025	0.00065	mg/L	5		6020	Total Recoverable
Cadmium	0.0037		0.0025	0.00065	mg/L	5		6020	Total Recoverable
Calcium	82		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	80		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	2.4	I	2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	86		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	81		2.5	1.3	mg/L	50		6020	Total Recoverable
Calcium	81		2.5	1.3	mg/L	50		6020	Total Recoverable
Chromium	0.0024	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-201 (Continued) — Lab Sample ID: 400-225845-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.027	V	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.022	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.022	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Cobalt	0.0011	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Cobalt	0.0039		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.0037		0.0013	0.00081	mg/L	5		6020	Total Recoverable
Molybdenum	0.0033	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.022	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.023	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.16	J3	0.013	0.0082	mg/L	50		6020	Total Recoverable
Selenium	0.024		0.013	0.0082	mg/L	50		6020	Total Recoverable
Thallium	0.0030	J3	0.00050	0.00046	mg/L	5		6020	Total Recoverable
Mercury	0.00027		0.00020	0.00015	mg/L	1		7470A	Total/NA
Total Dissolved Solids	530		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	130		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	95		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.76				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-206 — Lab Sample ID: 400-225845-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.039		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.040		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Barium	0.059		0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.043	I	0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.054		0.050	0.014	mg/L	100		6020	Total Recoverable
Barium	0.054		0.050	0.014	mg/L	100		6020	Total Recoverable
Boron	10	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	10	J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	9.1		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	9.5		1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	9.6	J3	1.0	0.024	mg/L	100		6020	Total Recoverable
Boron	9.6	J3	1.0	0.024	mg/L	100		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-206 (Continued) — Lab Sample ID: 400-225845-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0019	I	0.0025	0.00065	mg/L	5		6020	Total Recoverable
Calcium	160		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	160		0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	160		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	160		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	160		5.0	2.5	mg/L	100		6020	Total Recoverable
Calcium	160		5.0	2.5	mg/L	100		6020	Total Recoverable
Chromium	0.053		0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.047	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Chromium	0.047	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Cobalt	0.0014	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Cobalt	0.0015	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.023	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.021	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.30	J3	0.025	0.016	mg/L	100		6020	Total Recoverable
Selenium	0.41	J3	0.025	0.016	mg/L	100		6020	Total Recoverable
Total Dissolved Solids	920		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	300		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	160		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	4.88				SU	1		Field Sampling	Total/NA

Client Sample ID: FB-03 — Lab Sample ID: 400-225845-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.41		0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	0.65		0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	0.31	I V J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Boron	0.31	I V J3	0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	2.2	I	2.5	1.3	mg/L	50		6020	Total Recoverable
Chromium	0.029	V	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.024	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Chromium	0.024	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Selenium	0.014	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: FB-03 (Continued)

Lab Sample ID: 400-225845-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.19	J3	0.013	0.0082	mg/L	50		6020	Total Recoverable

Client Sample ID: EB-03

Lab Sample ID: 400-225845-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.23		0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	0.027	I V	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	0.019	I V J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Boron	0.019	I V J3	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.15	I V	0.25	0.13	mg/L	5		6020	Total Recoverable
Calcium	0.15	I	0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0030	V	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Chromium	0.0024	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Chromium	0.0024	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Selenium	0.019	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Selenium	0.012	V J3	0.0013	0.00082	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET PEN
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225845-1	MW-200	Water	09/13/22 11:21	09/13/22 17:05
400-225845-2	MW-201	Water	09/13/22 08:30	09/13/22 17:05
400-225845-3	MW-206	Water	09/13/22 09:37	09/13/22 17:05
400-225845-4	FB-03	Water	09/13/22 09:22	09/13/22 17:05
400-225845-5	EB-03	Water	09/13/22 09:57	09/13/22 17:05

Client Sample ID: MW-200

Date Collected: 09/13/22 11:21
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-1

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.27**	**I**	1.0	0.14	mg/L			09/16/22 17:00	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:15	5
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/21/22 18:25	5
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/22/22 21:43	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/23/22 20:46	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:09	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:09	100
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:15	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/21/22 18:25	5
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/22/22 21:43	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/23/22 20:46	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:09	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:09	100
Barium	**0.059**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:15	5
Barium	**0.060**		0.0025	0.00070	mg/L		09/17/22 10:31	09/21/22 18:25	5
Barium	**0.099**		0.050	0.014	mg/L		09/17/22 10:31	09/22/22 21:43	100
Barium	**0.088**		0.050	0.014	mg/L		09/17/22 10:31	09/23/22 20:46	100
Barium	**0.084**		0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:09	100
Barium	**0.084**		0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:09	100
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:15	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/21/22 18:25	5
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/22/22 21:43	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/23/22 20:46	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:09	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:09	100
Boron	**4.5**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:15	5
Boron	**4.6**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/21/22 18:25	5
Boron	**7.2**		1.0	0.024	mg/L		09/17/22 10:31	09/22/22 21:43	100
Boron	**7.3**		1.0	0.024	mg/L		09/17/22 10:31	09/23/22 20:46	100
Boron	**4.6**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:09	100
Boron	**4.6**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:09	100
Cadmium	**0.0027**		0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:15	5
Cadmium	**0.0029**		0.0025	0.00065	mg/L		09/17/22 10:31	09/21/22 18:25	5
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/22/22 21:43	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/23/22 20:46	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:09	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:09	100
Calcium	**93**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:15	5
Calcium	**93**		0.25	0.13	mg/L		09/17/22 10:31	09/21/22 18:25	5
Calcium	**180**		5.0	2.5	mg/L		09/17/22 10:31	09/22/22 21:43	100
Calcium	**180**		5.0	2.5	mg/L		09/17/22 10:31	09/23/22 20:46	100
Calcium	**93**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:09	100
Calcium	**93**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:09	100
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:15	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/21/22 18:25	5
Chromium	0.020	U	0.050	0.020	mg/L		09/17/22 10:31	09/22/22 21:43	100
Chromium	**0.050**		0.050	0.020	mg/L		09/17/22 10:31	09/23/22 20:46	100

Client Sample ID: MW-200

Date Collected: 09/13/22 11:21
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.048**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:09	100
Chromium	**0.048**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:09	100
Cobalt	**0.00069**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:15	5
Cobalt	**0.00081**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/21/22 18:25	5
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/22/22 21:43	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/23/22 20:46	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:09	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:09	100
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:15	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/21/22 18:25	5
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:43	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:46	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:09	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:09	100
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:15	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/21/22 18:25	5
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/22/22 21:43	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/23/22 20:46	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:09	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:09	100
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:15	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/21/22 18:25	5
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/22/22 21:43	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/23/22 20:46	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:09	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:09	100
Selenium	**0.026**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:15	5
Selenium	**0.026**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/21/22 18:25	5
Selenium	**0.27**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:43	100
Selenium	**0.46**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:46	100
Selenium	0.016	U J3	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:09	100
Selenium	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:09	100
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:15	5
Thallium	0.00046	U J3	0.00050	0.00046	mg/L		09/17/22 10:31	09/21/22 18:25	5
Thallium	0.0092	U J3	0.010	0.0092	mg/L		09/17/22 10:31	09/22/22 21:43	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/23/22 20:46	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:09	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:09	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00038**		0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:54	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**180**		10	7.0	mg/L			09/17/22 20:18	5
Sulfate (SM 4500 SO4 E)	**130**		25	7.0	mg/L			09/18/22 22:53	5

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 09/13/22 11:21
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-1
Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.82				SU			09/13/22 11:21	1

Client Sample ID: MW-201

Date Collected: 09/13/22 08:30
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-2

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 17:23	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:18	5
Antimony	**0.0029**		0.0025	0.0015	mg/L		09/17/22 10:31	09/21/22 18:28	5
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/23/22 20:49	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/26/22 19:21	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:12	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:12	50
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:18	5
Arsenic	**0.0028**		0.0013	0.0012	mg/L		09/17/22 10:31	09/21/22 18:28	5
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/23/22 20:49	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/26/22 19:21	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:12	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:12	50
Barium	**0.034**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:18	5
Barium	**0.036**		0.0025	0.00070	mg/L		09/17/22 10:31	09/21/22 18:28	5
Barium	0.0070	U	0.025	0.0070	mg/L		09/17/22 10:31	09/23/22 20:49	50
Barium	**0.036**		0.025	0.0070	mg/L		09/17/22 10:31	09/26/22 19:21	50
Barium	**0.041**		0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:12	50
Barium	**0.041**		0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:12	50
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:18	5
Beryllium	**0.0031**		0.0025	0.00092	mg/L		09/17/22 10:31	09/21/22 18:28	5
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/23/22 20:49	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/26/22 19:21	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:12	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:12	50
Boron	**2.8**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:18	5
Boron	**2.9**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/21/22 18:28	5
Boron	**0.54**		0.50	0.012	mg/L		09/17/22 10:31	09/23/22 20:49	50
Boron	**2.8**		0.50	0.012	mg/L		09/17/22 10:31	09/26/22 19:21	50
Boron	**2.7**	**J3**	0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:12	50
Boron	**2.7**		0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:12	50
Cadmium	**0.00066**	**I**	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:18	5
Cadmium	**0.0037**		0.0025	0.00065	mg/L		09/17/22 10:31	09/21/22 18:28	5
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/23/22 20:49	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/26/22 19:21	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:12	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:12	50
Calcium	**82**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:18	5
Calcium	**80**		0.25	0.13	mg/L		09/17/22 10:31	09/21/22 18:28	5
Calcium	**2.4**	**I**	2.5	1.3	mg/L		09/17/22 10:31	09/23/22 20:49	50
Calcium	**86**		2.5	1.3	mg/L		09/17/22 10:31	09/26/22 19:21	50
Calcium	**81**		2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:12	50
Calcium	**81**		2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:12	50
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:18	5
Chromium	**0.0024**	**I**	0.0025	0.0010	mg/L		09/17/22 10:31	09/21/22 18:28	5
Chromium	**0.027**	**V**	0.025	0.010	mg/L		09/17/22 10:31	09/23/22 20:49	50
Chromium	0.010	U	0.025	0.010	mg/L		09/17/22 10:31	09/26/22 19:21	50

Client Sample ID: MW-201

Date Collected: 09/13/22 08:30
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.022**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:12	50
Chromium	**0.022**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:12	50
Cobalt	**0.0011**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:18	5
Cobalt	**0.0039**		0.0025	0.00056	mg/L		09/17/22 10:31	09/21/22 18:28	5
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/23/22 20:49	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/26/22 19:21	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:12	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:12	50
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:18	5
Lead	**0.0037**		0.0013	0.00081	mg/L		09/17/22 10:31	09/21/22 18:28	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/23/22 20:49	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/26/22 19:21	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:12	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:12	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:18	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/21/22 18:28	5
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/23/22 20:49	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/26/22 19:21	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:12	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:12	50
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:18	5
Molybdenum	**0.0033**	**I**	0.015	0.0013	mg/L		09/17/22 10:31	09/21/22 18:28	5
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/23/22 20:49	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/26/22 19:21	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:12	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:12	50
Selenium	**0.022**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:18	5
Selenium	**0.023**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/21/22 18:28	5
Selenium	**0.16**	**J3**	0.013	0.0082	mg/L		09/17/22 10:31	09/23/22 20:49	50
Selenium	**0.024**		0.013	0.0082	mg/L		09/17/22 10:31	09/26/22 19:21	50
Selenium	0.0082	U J3	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:12	50
Selenium	0.0082	U	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:12	50
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:18	5
Thallium	**0.0030**	**J3**	0.00050	0.00046	mg/L		09/17/22 10:31	09/21/22 18:28	5
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/23/22 20:49	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/26/22 19:21	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:12	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:12	50

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00027**		0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 09:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**530**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**130**		10	7.0	mg/L			09/17/22 20:18	5
Sulfate (SM 4500 SO4 E)	**95**		25	7.0	mg/L			09/18/22 22:54	5

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-201
Date Collected: 09/13/22 08:30
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-2
Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.76				SU			09/13/22 08:30	1

Client Sample ID: MW-206

Date Collected: 09/13/22 09:37
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-3

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 18:09	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:21	5
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/21/22 18:31	5
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/22/22 21:49	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/23/22 20:52	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:15	100
Antimony	0.030	U	0.050	0.030	mg/L		09/17/22 10:31	09/28/22 00:15	100
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:21	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/21/22 18:31	5
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/22/22 21:49	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/23/22 20:52	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:15	100
Arsenic	0.024	U	0.025	0.024	mg/L		09/17/22 10:31	09/28/22 00:15	100
Barium	**0.039**		0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:21	5
Barium	**0.040**		0.0025	0.00070	mg/L		09/17/22 10:31	09/21/22 18:31	5
Barium	**0.059**		0.050	0.014	mg/L		09/17/22 10:31	09/22/22 21:49	100
Barium	**0.043**	**I**	0.050	0.014	mg/L		09/17/22 10:31	09/23/22 20:52	100
Barium	**0.054**		0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:15	100
Barium	**0.054**		0.050	0.014	mg/L		09/17/22 10:31	09/28/22 00:15	100
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:21	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/21/22 18:31	5
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/22/22 21:49	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/23/22 20:52	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:15	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/17/22 10:31	09/28/22 00:15	100
Boron	**10**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:21	5
Boron	**10**	**J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/21/22 18:31	5
Boron	**9.1**		1.0	0.024	mg/L		09/17/22 10:31	09/22/22 21:49	100
Boron	**9.5**		1.0	0.024	mg/L		09/17/22 10:31	09/23/22 20:52	100
Boron	**9.6**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:15	100
Boron	**9.6**	**J3**	1.0	0.024	mg/L		09/17/22 10:31	09/28/22 00:15	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:21	5
Cadmium	**0.0019**	**I**	0.0025	0.00065	mg/L		09/17/22 10:31	09/21/22 18:31	5
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/22/22 21:49	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/23/22 20:52	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:15	100
Cadmium	0.013	U	0.050	0.013	mg/L		09/17/22 10:31	09/28/22 00:15	100
Calcium	**160**		0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:21	5
Calcium	**160**		0.25	0.13	mg/L		09/17/22 10:31	09/21/22 18:31	5
Calcium	**160**		5.0	2.5	mg/L		09/17/22 10:31	09/22/22 21:49	100
Calcium	**160**		5.0	2.5	mg/L		09/17/22 10:31	09/23/22 20:52	100
Calcium	**160**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:15	100
Calcium	**160**		5.0	2.5	mg/L		09/17/22 10:31	09/28/22 00:15	100
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:21	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/21/22 18:31	5
Chromium	0.020	U	0.050	0.020	mg/L		09/17/22 10:31	09/22/22 21:49	100
Chromium	**0.053**		0.050	0.020	mg/L		09/17/22 10:31	09/23/22 20:52	100

Client Sample ID: MW-206

Date Collected: 09/13/22 09:37
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.047**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:15	100
Chromium	**0.047**	**I**	0.050	0.020	mg/L		09/17/22 10:31	09/28/22 00:15	100
Cobalt	**0.0014**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:21	5
Cobalt	**0.0015**	**I**	0.0025	0.00056	mg/L		09/17/22 10:31	09/21/22 18:31	5
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/22/22 21:49	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/23/22 20:52	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:15	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/17/22 10:31	09/28/22 00:15	100
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:21	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/21/22 18:31	5
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:49	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:52	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:15	100
Lead	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:15	100
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:21	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/21/22 18:31	5
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/22/22 21:49	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/23/22 20:52	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:15	100
Lithium	0.098	U	0.10	0.098	mg/L		09/17/22 10:31	09/28/22 00:15	100
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:21	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/21/22 18:31	5
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/22/22 21:49	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/23/22 20:52	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:15	100
Molybdenum	0.026	U	0.30	0.026	mg/L		09/17/22 10:31	09/28/22 00:15	100
Selenium	**0.023**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:21	5
Selenium	**0.021**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/21/22 18:31	5
Selenium	**0.30**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/22/22 21:49	100
Selenium	**0.41**	**J3**	0.025	0.016	mg/L		09/17/22 10:31	09/23/22 20:52	100
Selenium	0.016	U J3	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:15	100
Selenium	0.016	U	0.025	0.016	mg/L		09/17/22 10:31	09/28/22 00:15	100
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:21	5
Thallium	0.00046	U J3	0.00050	0.00046	mg/L		09/17/22 10:31	09/21/22 18:31	5
Thallium	0.0092	U J3	0.010	0.0092	mg/L		09/17/22 10:31	09/22/22 21:49	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/23/22 20:52	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:15	100
Thallium	0.0092	U	0.010	0.0092	mg/L		09/17/22 10:31	09/28/22 00:15	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 10:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**920**		5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	**300**		20	14	mg/L			09/17/22 20:19	10
Sulfate (SM 4500 SO4 E)	**160**		50	14	mg/L			09/18/22 22:54	10

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-206
Date Collected: 09/13/22 09:37
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-3
Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.88				SU			09/13/22 09:37	1

Client Sample ID: FB-03

Date Collected: 09/13/22 09:22
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-4

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 18:32	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:24	5
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/23/22 20:55	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:18	50
Antimony	0.015	U	0.025	0.015	mg/L		09/17/22 10:31	09/28/22 00:18	50
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:24	5
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/23/22 20:55	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:18	50
Arsenic	0.012	U	0.013	0.012	mg/L		09/17/22 10:31	09/28/22 00:18	50
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:24	5
Barium	0.0070	U	0.025	0.0070	mg/L		09/17/22 10:31	09/23/22 20:55	50
Barium	0.0070	U	0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:18	50
Barium	0.0070	U	0.025	0.0070	mg/L		09/17/22 10:31	09/28/22 00:18	50
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:24	5
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/23/22 20:55	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:18	50
Beryllium	0.0092	U	0.025	0.0092	mg/L		09/17/22 10:31	09/28/22 00:18	50
Boron	**0.41**		0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:24	5
Boron	**0.65**		0.50	0.012	mg/L		09/17/22 10:31	09/23/22 20:55	50
Boron	**0.31**	**I V J3**	0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:18	50
Boron	**0.31**	**I V J3**	0.50	0.012	mg/L		09/17/22 10:31	09/28/22 00:18	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:24	5
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/23/22 20:55	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:18	50
Cadmium	0.0065	U	0.025	0.0065	mg/L		09/17/22 10:31	09/28/22 00:18	50
Calcium	0.13	U	0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:24	5
Calcium	**2.2**	**I**	2.5	1.3	mg/L		09/17/22 10:31	09/23/22 20:55	50
Calcium	1.3	U	2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:18	50
Calcium	1.3	U	2.5	1.3	mg/L		09/17/22 10:31	09/28/22 00:18	50
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:24	5
Chromium	**0.029**	**V**	0.025	0.010	mg/L		09/17/22 10:31	09/23/22 20:55	50
Chromium	**0.024**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:18	50
Chromium	**0.024**	**I**	0.025	0.010	mg/L		09/17/22 10:31	09/28/22 00:18	50
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:24	5
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/23/22 20:55	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:18	50
Cobalt	0.0056	U	0.025	0.0056	mg/L		09/17/22 10:31	09/28/22 00:18	50
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:24	5
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/23/22 20:55	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:18	50
Lead	0.0081	U	0.013	0.0081	mg/L		09/17/22 10:31	09/28/22 00:18	50
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:24	5
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/23/22 20:55	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:18	50
Lithium	0.049	U	0.050	0.049	mg/L		09/17/22 10:31	09/28/22 00:18	50
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:24	5
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/23/22 20:55	50

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: FB-03

Date Collected: 09/13/22 09:22
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-4

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:18	50
Molybdenum	0.013	U	0.15	0.013	mg/L		09/17/22 10:31	09/28/22 00:18	50
Selenium	**0.014**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:24	5
Selenium	**0.19**	**J3**	0.013	0.0082	mg/L		09/17/22 10:31	09/23/22 20:55	50
Selenium	0.0082	U J3	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:18	50
Selenium	0.0082	U	0.013	0.0082	mg/L		09/17/22 10:31	09/28/22 00:18	50
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:24	5
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/23/22 20:55	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:18	50
Thallium	0.0046	U	0.0050	0.0046	mg/L		09/17/22 10:31	09/28/22 00:18	50

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:32	10/02/22 14:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/17/22 19:48	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/18/22 22:55	1

Client Sample ID: EB-03

Date Collected: 09/13/22 09:57
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-5

Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 18:55	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 20:27	5
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/23/22 20:58	5
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/28/22 00:21	5
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/28/22 00:21	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 20:27	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/23/22 20:58	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/28/22 00:21	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/28/22 00:21	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 20:27	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/23/22 20:58	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/28/22 00:21	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/28/22 00:21	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 20:27	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/23/22 20:58	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/28/22 00:21	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/28/22 00:21	5
Boron	**0.23**		0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 20:27	5
Boron	**0.027**	**I V**	0.050	0.0012	mg/L		09/17/22 10:31	09/23/22 20:58	5
Boron	**0.019**	**I V J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/28/22 00:21	5
Boron	**0.019**	**I V J3**	0.050	0.0012	mg/L		09/17/22 10:31	09/28/22 00:21	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 20:27	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/23/22 20:58	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/28/22 00:21	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/28/22 00:21	5
Calcium	**0.15**	**I V**	0.25	0.13	mg/L		09/17/22 10:31	09/20/22 20:27	5
Calcium	**0.15**	**I**	0.25	0.13	mg/L		09/17/22 10:31	09/23/22 20:58	5
Calcium	0.13	U	0.25	0.13	mg/L		09/17/22 10:31	09/28/22 00:21	5
Calcium	0.13	U	0.25	0.13	mg/L		09/17/22 10:31	09/28/22 00:21	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 20:27	5
Chromium	**0.0030**	**V**	0.0025	0.0010	mg/L		09/17/22 10:31	09/23/22 20:58	5
Chromium	**0.0024**	**I**	0.0025	0.0010	mg/L		09/17/22 10:31	09/28/22 00:21	5
Chromium	**0.0024**	**I**	0.0025	0.0010	mg/L		09/17/22 10:31	09/28/22 00:21	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 20:27	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/23/22 20:58	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/28/22 00:21	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/28/22 00:21	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 20:27	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/23/22 20:58	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/28/22 00:21	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/28/22 00:21	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 20:27	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/23/22 20:58	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/28/22 00:21	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/28/22 00:21	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 20:27	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/23/22 20:58	5

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: EB-03

Date Collected: 09/13/22 09:57
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/28/22 00:21	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/28/22 00:21	5
Selenium	**0.019**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 20:27	5
Selenium	**0.012**	**V J3**	0.0013	0.00082	mg/L		09/17/22 10:31	09/23/22 20:58	5
Selenium	0.00082	U J3	0.0013	0.00082	mg/L		09/17/22 10:31	09/28/22 00:21	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/17/22 10:31	09/28/22 00:21	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 20:27	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/23/22 20:58	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/28/22 00:21	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/28/22 00:21	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:32	10/02/22 14:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			09/14/22 11:43	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/18/22 20:08	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/18/22 22:55	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-200

Date Collected: 09/13/22 11:21
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 17:00
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:15
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593462	NTH	EET PEN	09/21/22 18:25
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593654	NTH	EET PEN	09/22/22 21:43
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593804	NTH	EET PEN	09/23/22 20:46
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594191	NTH	EET PEN	09/28/22 00:09
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594320	NTH	EET PEN	09/28/22 00:09
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:54
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		5	592920	DN1	EET PEN	09/17/22 20:18
Total/NA	Analysis	SM 4500 SO4 E		5	592948	DN1	EET PEN	09/18/22 22:53
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/13/22 11:21

Client Sample ID: MW-201

Date Collected: 09/13/22 08:30
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 17:23
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:18
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593462	NTH	EET PEN	09/21/22 18:28
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	593804	NTH	EET PEN	09/23/22 20:49
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594019	BAW	EET PEN	09/26/22 19:21
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594191	NTH	EET PEN	09/28/22 00:12
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594320	NTH	EET PEN	09/28/22 00:12
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 09:56
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		5	592920	DN1	EET PEN	09/17/22 20:18
Total/NA	Analysis	SM 4500 SO4 E		5	592948	DN1	EET PEN	09/18/22 22:54

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: MW-201
Date Collected: 09/13/22 08:30
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/13/22 08:30

Client Sample ID: MW-206
Date Collected: 09/13/22 09:37
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 18:09
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:21
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593462	NTH	EET PEN	09/21/22 18:31
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593654	NTH	EET PEN	09/22/22 21:49
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	593804	NTH	EET PEN	09/23/22 20:52
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594191	NTH	EET PEN	09/28/22 00:15
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		100	594320	NTH	EET PEN	09/28/22 00:15
Total/NA	Prep	7470A			594225	NET	EET PEN	09/28/22 11:31 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 10:09
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		10	592920	DN1	EET PEN	09/17/22 20:19
Total/NA	Analysis	SM 4500 SO4 E		10	592948	DN1	EET PEN	09/18/22 22:54
Total/NA	Analysis	Field Sampling		1	594498	S1K	EET PEN	09/13/22 09:37

Client Sample ID: FB-03
Date Collected: 09/13/22 09:22
Date Received: 09/13/22 17:05

Lab Sample ID: 400-225845-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 18:32
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:24
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	593804	NTH	EET PEN	09/23/22 20:55
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594191	NTH	EET PEN	09/28/22 00:18
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		50	594320	NTH	EET PEN	09/28/22 00:18
Total/NA	Prep	7470A			594226	NET	EET PEN	09/28/22 11:32 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/02/22 14:23
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Client Sample ID: FB-03

Lab Sample ID: 400-225845-4

Date Collected: 09/13/22 09:22

Matrix: Water

Date Received: 09/13/22 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 Cl- E		1	592920	DN1	EET PEN	09/17/22 19:48
Total/NA	Analysis	SM 4500 SO4 E		1	592948	DN1	EET PEN	09/18/22 22:55

Client Sample ID: EB-03

Lab Sample ID: 400-225845-5

Date Collected: 09/13/22 09:57

Matrix: Water

Date Received: 09/13/22 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	592785	JAS	EET PEN	09/16/22 18:55
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593338	NTH	EET PEN	09/20/22 20:27
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	593804	NTH	EET PEN	09/23/22 20:58
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	594191	NTH	EET PEN	09/28/22 00:21
Total Recoverable	Prep	3005A			592886	JL	EET PEN	09/17/22 10:31 - 09/17/22 14:03 [1]
Total Recoverable	Analysis	6020		5	594320	NTH	EET PEN	09/28/22 00:21
Total/NA	Prep	7470A			594226	NET	EET PEN	09/28/22 11:32 - 09/28/22 15:31 [1]
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/02/22 14:37
Total/NA	Analysis	SM 2540C		1	592475	VB	EET PEN	09/14/22 11:43
Total/NA	Analysis	SM 4500 Cl- E		1	592946	DN1	EET PEN	09/18/22 20:08
Total/NA	Analysis	SM 4500 SO4 E		1	592948	DN1	EET PEN	09/18/22 22:55

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

HPLC/IC

Analysis Batch: 592785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	300.0	
400-225845-2	MW-201	Total/NA	Water	300.0	
400-225845-3	MW-206	Total/NA	Water	300.0	
400-225845-4	FB-03	Total/NA	Water	300.0	
400-225845-5	EB-03	Total/NA	Water	300.0	
MB 400-592785/5	Method Blank	Total/NA	Water	300.0	
LCS 400-592785/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-592785/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225893-I-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225893-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 592886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	3005A	
400-225845-2	MW-201	Total Recoverable	Water	3005A	
400-225845-3	MW-206	Total Recoverable	Water	3005A	
400-225845-4	FB-03	Total Recoverable	Water	3005A	
400-225845-5	EB-03	Total Recoverable	Water	3005A	
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225846-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225846-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 593338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886
400-225845-4	FB-03	Total Recoverable	Water	6020	592886
400-225845-5	EB-03	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886
400-225846-D-1-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	592886
400-225846-D-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	592886

Analysis Batch: 593462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886

Analysis Batch: 593654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886

Analysis Batch: 593804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886

Metals (Continued)

Analysis Batch: 593804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886
400-225845-4	FB-03	Total Recoverable	Water	6020	592886
400-225845-5	EB-03	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886

Analysis Batch: 594019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
MB 400-592886/1-A ^5	Method Blank	Total Recoverable	Water	6020	592886
LCS 400-592886/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	592886

Analysis Batch: 594191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886
400-225845-4	FB-03	Total Recoverable	Water	6020	592886
400-225845-5	EB-03	Total Recoverable	Water	6020	592886

Prep Batch: 594225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	7470A	
400-225845-2	MW-201	Total/NA	Water	7470A	
400-225845-3	MW-206	Total/NA	Water	7470A	
MB 400-594225/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-594225/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225722-D-2-C MS	Matrix Spike	Total/NA	Water	7470A	
400-225722-D-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 594226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-4	FB-03	Total/NA	Water	7470A	
400-225845-5	EB-03	Total/NA	Water	7470A	
MB 400-594226/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-594226/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225845-4 MS	FB-03	Total/NA	Water	7470A	
400-225845-4 MSD	FB-03	Total/NA	Water	7470A	

Analysis Batch: 594320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total Recoverable	Water	6020	592886
400-225845-2	MW-201	Total Recoverable	Water	6020	592886
400-225845-3	MW-206	Total Recoverable	Water	6020	592886
400-225845-4	FB-03	Total Recoverable	Water	6020	592886
400-225845-5	EB-03	Total Recoverable	Water	6020	592886

Analysis Batch: 594812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	7470A	594225

Metals (Continued)

Analysis Batch: 594812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-2	MW-201	Total/NA	Water	7470A	594225
400-225845-3	MW-206	Total/NA	Water	7470A	594225
400-225845-4	FB-03	Total/NA	Water	7470A	594226
400-225845-5	EB-03	Total/NA	Water	7470A	594226
MB 400-594225/14-A	Method Blank	Total/NA	Water	7470A	594225
MB 400-594226/14-A	Method Blank	Total/NA	Water	7470A	594226
LCS 400-594225/15-A	Lab Control Sample	Total/NA	Water	7470A	594225
LCS 400-594226/15-A	Lab Control Sample	Total/NA	Water	7470A	594226
400-225722-D-2-C MS	Matrix Spike	Total/NA	Water	7470A	594225
400-225722-D-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	594225
400-225845-4 MS	FB-03	Total/NA	Water	7470A	594226
400-225845-4 MSD	FB-03	Total/NA	Water	7470A	594226

General Chemistry

Analysis Batch: 592475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	SM 2540C	
400-225845-2	MW-201	Total/NA	Water	SM 2540C	
400-225845-3	MW-206	Total/NA	Water	SM 2540C	
400-225845-4	FB-03	Total/NA	Water	SM 2540C	
400-225845-5	EB-03	Total/NA	Water	SM 2540C	
MB 400-592475/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-592475/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225845-1 DU	MW-200	Total/NA	Water	SM 2540C	

Analysis Batch: 592920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	SM 4500 Cl- E	
400-225845-2	MW-201	Total/NA	Water	SM 4500 Cl- E	
400-225845-3	MW-206	Total/NA	Water	SM 4500 Cl- E	
400-225845-4	FB-03	Total/NA	Water	SM 4500 Cl- E	
MB 400-592920/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592920/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592920/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225791-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225791-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-5	EB-03	Total/NA	Water	SM 4500 Cl- E	
MB 400-592946/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592946/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592946/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225846-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225846-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	SM 4500 SO4 E	
400-225845-2	MW-201	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 592948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-3	MW-206	Total/NA	Water	SM 4500 SO4 E	
400-225845-4	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-225845-5	EB-03	Total/NA	Water	SM 4500 SO4 E	
MB 400-592948/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592948/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592948/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225844-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-225844-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 594498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225845-1	MW-200	Total/NA	Water	Field Sampling	
400-225845-2	MW-201	Total/NA	Water	Field Sampling	
400-225845-3	MW-206	Total/NA	Water	Field Sampling	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-592785/5
Matrix: Water
Analysis Batch: 592785

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U	1.0	0.14	mg/L			09/16/22 10:56	1

Lab Sample ID: LCS 400-592785/6
Matrix: Water
Analysis Batch: 592785

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10.0	10.7		mg/L		107	90 - 110		

Lab Sample ID: LCSD 400-592785/7
Matrix: Water
Analysis Batch: 592785

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride			10.0	10.7		mg/L		107	90 - 110	0	15

Lab Sample ID: 400-225893-I-1 MS
Matrix: Water
Analysis Batch: 592785

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	4.5		10.0	15.3		mg/L		108	80 - 120		

Lab Sample ID: 400-225893-I-1 MSD
Matrix: Water
Analysis Batch: 592785

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	4.5		10.0	15.9		mg/L		114	80 - 120	4	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/20/22 18:42	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/20/22 18:42	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/20/22 18:42	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/20/22 18:42	5
Boron	0.144		0.050	0.0012	mg/L		09/17/22 10:31	09/20/22 18:42	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/20/22 18:42	5
Calcium	0.132	I	0.25	0.13	mg/L		09/17/22 10:31	09/20/22 18:42	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/17/22 10:31	09/20/22 18:42	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/20/22 18:42	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/20/22 18:42	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/20/22 18:42	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/20/22 18:42	5
Selenium	0.0180		0.0013	0.00082	mg/L		09/17/22 10:31	09/20/22 18:42	5

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

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/20/22 18:42	5

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 593804

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/23/22 19:47	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/23/22 19:47	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/23/22 19:47	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/23/22 19:47	5
Boron	0.00374	I	0.050	0.0012	mg/L		09/17/22 10:31	09/23/22 19:47	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/23/22 19:47	5
Calcium	0.13	U	0.25	0.13	mg/L		09/17/22 10:31	09/23/22 19:47	5
Chromium	0.00292		0.0025	0.0010	mg/L		09/17/22 10:31	09/23/22 19:47	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/23/22 19:47	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/23/22 19:47	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/23/22 19:47	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/23/22 19:47	5
Selenium	0.0144		0.0013	0.00082	mg/L		09/17/22 10:31	09/23/22 19:47	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/23/22 19:47	5

Lab Sample ID: MB 400-592886/1-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/17/22 10:31	09/26/22 18:19	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/17/22 10:31	09/26/22 18:19	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/17/22 10:31	09/26/22 18:19	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/17/22 10:31	09/26/22 18:19	5
Boron	0.0108	I	0.050	0.0012	mg/L		09/17/22 10:31	09/26/22 18:19	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/17/22 10:31	09/26/22 18:19	5
Calcium	0.141	I	0.25	0.13	mg/L		09/17/22 10:31	09/26/22 18:19	5
Chromium	0.00167	I	0.0025	0.0010	mg/L		09/17/22 10:31	09/26/22 18:19	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/17/22 10:31	09/26/22 18:19	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/17/22 10:31	09/26/22 18:19	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/17/22 10:31	09/26/22 18:19	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/17/22 10:31	09/26/22 18:19	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/17/22 10:31	09/26/22 18:19	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/17/22 10:31	09/26/22 18:19	5

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0532		mg/L		106	80 - 120
Arsenic	0.0500	0.0506		mg/L		101	80 - 120

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

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0518		mg/L		104	80 - 120
Beryllium	0.0500	0.0494		mg/L		99	80 - 120
Boron	0.100	0.202	V J3	mg/L		202	80 - 120
Cadmium	0.0500	0.0527		mg/L		105	80 - 120
Calcium	5.00	5.38		mg/L		108	80 - 120
Chromium	0.0500	0.0522		mg/L		104	80 - 120
Cobalt	0.0500	0.0504		mg/L		101	80 - 120
Lead	0.0500	0.0504		mg/L		101	80 - 120
Lithium	0.0500	0.0493		mg/L		99	80 - 120
Molybdenum	0.0500	0.0537		mg/L		107	80 - 120
Selenium	0.0500	0.0687	V J3	mg/L		137	80 - 120
Thallium	0.0100	0.00998		mg/L		100	80 - 120

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 593804

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0516		mg/L		103	80 - 120
Arsenic	0.0500	0.0506		mg/L		101	80 - 120
Barium	0.0500	0.0518		mg/L		104	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	0.100	0.0908		mg/L		91	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	5.00	5.16		mg/L		103	80 - 120
Chromium	0.0500	0.0553		mg/L		111	80 - 120
Cobalt	0.0500	0.0518		mg/L		104	80 - 120
Lead	0.0500	0.0502		mg/L		100	80 - 120
Lithium	0.0500	0.0474		mg/L		95	80 - 120
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0673	V J3	mg/L		135	80 - 120
Thallium	0.0100	0.0101		mg/L		101	80 - 120

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0574		mg/L		115	80 - 120
Arsenic	0.0500	0.0524		mg/L		105	80 - 120
Barium	0.0500	0.0549		mg/L		110	80 - 120
Beryllium	0.0500	0.0536		mg/L		107	80 - 120
Boron	0.100	0.104	V	mg/L		104	80 - 120
Cadmium	0.0500	0.0561		mg/L		112	80 - 120
Calcium	5.00	5.11		mg/L		102	80 - 120
Chromium	0.0500	0.0586		mg/L		117	80 - 120
Cobalt	0.0500	0.0555		mg/L		111	80 - 120
Lead	0.0500	0.0553		mg/L		111	80 - 120
Lithium	0.0500	0.0543		mg/L		109	80 - 120

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

Lab Sample ID: LCS 400-592886/2-A ^5
Matrix: Water
Analysis Batch: 594019

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	0.0500	0.0579		mg/L		116	80 - 120
Selenium	0.0500	0.0553		mg/L		111	80 - 120
Thallium	0.0100	0.0112		mg/L		112	80 - 120

Lab Sample ID: 400-225846-D-1-B MS ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0530		mg/L		106	75 - 125
Arsenic	0.0012	U	0.0500	0.0503		mg/L		101	75 - 125
Barium	0.029		0.0500	0.0810		mg/L		104	75 - 125
Beryllium	0.00092	U	0.0500	0.0490		mg/L		98	75 - 125
Boron	0.12	V J3	0.100	0.193	J3 V	mg/L		68	75 - 125
Cadmium	0.00065	U	0.0500	0.0521		mg/L		104	75 - 125
Calcium	4.9		5.00	10.2		mg/L		105	75 - 125
Chromium	0.0010	U	0.0500	0.0527		mg/L		105	75 - 125
Cobalt	0.00056	U	0.0500	0.0499		mg/L		100	75 - 125
Lead	0.00081	U	0.0500	0.0499		mg/L		100	75 - 125
Lithium	0.0049	U	0.0500	0.0482		mg/L		96	75 - 125
Molybdenum	0.0013	U	0.0500	0.0493		mg/L		99	75 - 125
Selenium	0.018	V J3	0.0500	0.0737	V	mg/L		111	75 - 125
Thallium	0.00046	U	0.0100	0.0100		mg/L		100	75 - 125

Lab Sample ID: 400-225846-D-1-C MSD ^5
Matrix: Water
Analysis Batch: 593338

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 592886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0539		mg/L		108	75 - 125	2	20
Arsenic	0.0012	U	0.0500	0.0501		mg/L		100	75 - 125	0	20
Barium	0.029		0.0500	0.0811		mg/L		104	75 - 125	0	20
Beryllium	0.00092	U	0.0500	0.0492		mg/L		98	75 - 125	0	20
Boron	0.12	V J3	0.100	0.171	V J3	mg/L		46	75 - 125	12	20
Cadmium	0.00065	U	0.0500	0.0528		mg/L		106	75 - 125	1	20
Calcium	4.9		5.00	10.1		mg/L		103	75 - 125	1	20
Chromium	0.0010	U	0.0500	0.0541		mg/L		108	75 - 125	3	20
Cobalt	0.00056	U	0.0500	0.0508		mg/L		102	75 - 125	2	20
Lead	0.00081	U	0.0500	0.0503		mg/L		101	75 - 125	1	20
Lithium	0.0049	U	0.0500	0.0500		mg/L		100	75 - 125	4	20
Molybdenum	0.0013	U	0.0500	0.0515		mg/L		103	75 - 125	4	20
Selenium	0.018	V J3	0.0500	0.0744	V	mg/L		112	75 - 125	1	20
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-594225/14-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594225

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:31	10/03/22 08:56	1

Lab Sample ID: LCS 400-594225/15-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00102		mg/L		102	80 - 120

Lab Sample ID: 400-225722-D-2-C MS
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 594225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00233		mg/L		116	80 - 120

Lab Sample ID: 400-225722-D-2-D MSD
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 594225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00225		mg/L		112	80 - 120	4	20

Lab Sample ID: MB 400-594226/14-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594226

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/28/22 11:32	10/02/22 14:19	1

Lab Sample ID: LCS 400-594226/15-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00104		mg/L		103	80 - 120

Lab Sample ID: 400-225845-4 MS
Matrix: Water
Analysis Batch: 594812

Client Sample ID: FB-03
Prep Type: Total/NA
Prep Batch: 594226

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00210		mg/L		104	80 - 120

Lab Sample ID: 400-225845-4 MSD
Matrix: Water
Analysis Batch: 594812

Client Sample ID: FB-03
Prep Type: Total/NA
Prep Batch: 594226

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00219		mg/L		109	80 - 120	4	20

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

Lab Sample ID: MB 400-592475/1
Matrix: Water
Analysis Batch: 592475

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			09/14/22 11:43	1

Lab Sample ID: LCS 400-592475/2
Matrix: Water
Analysis Batch: 592475

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	293	262		mg/L		89	78 - 122

Lab Sample ID: 400-225845-1 DU
Matrix: Water
Analysis Batch: 592475

Client Sample ID: MW-200
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	600		640	J3	mg/L		7	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-592920/13
Matrix: Water
Analysis Batch: 592920

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/17/22 19:40	1

Lab Sample ID: LCS 400-592920/14
Matrix: Water
Analysis Batch: 592920

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592920/15
Matrix: Water
Analysis Batch: 592920

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.68	I	mg/L		84	50 - 150

Lab Sample ID: 400-225791-A-1 MS
Matrix: Water
Analysis Batch: 592920

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.1		10.0	16.4		mg/L		93	73 - 120

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-225791-A-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592920

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.1		10.0	16.5		mg/L		94	73 - 120	1	8

Lab Sample ID: MB 400-592946/13 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592946

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4	U	2.0	1.4	mg/L			09/18/22 19:57	1

Lab Sample ID: LCS 400-592946/14 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.1		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592946/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592946

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.66	I	mg/L		83	50 - 150

Lab Sample ID: 400-225846-A-2 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592946

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.7		10.0	11.5		mg/L		87	73 - 120

Lab Sample ID: 400-225846-A-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592946

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.7		10.0	11.9		mg/L		92	73 - 120	4	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-592948/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 592948

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.4	U	5.0	1.4	mg/L			09/18/22 22:42	1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 400-592948/13
Matrix: Water
Analysis Batch: 592948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.9		mg/L		100	90 - 110

Lab Sample ID: MRL 400-592948/14
Matrix: Water
Analysis Batch: 592948

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.31	I	mg/L		86	50 - 150

Lab Sample ID: 400-225844-A-1 MS
Matrix: Water
Analysis Batch: 592948

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	12		10.0	23.2		mg/L		117	77 - 128

Lab Sample ID: 400-225844-A-1 MSD
Matrix: Water
Analysis Batch: 592948

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	12		10.0	23.1		mg/L		116	77 - 128	0	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Trevor Braddock	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-113841-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Florida Power and Light	PWSID:			Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520	Compliance Project: Δ Yes Δ No			
Phone: 850-444-6427(Tel)	PO #: 2000403482			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR GCEC Downgradient D	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-225845 COC

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-200	9-13-22	1121	G	Water	NO		X	X	X	X	X	X	4	
MW-201	9-13-22	0830	G	Water	NO		X	X	X	X	X	X	4	
MW-206	9-13-22	0937	G	Water	NO		X	X	X	X	X	X	4	
FB-03	9-13-22	0922	G	Water	NO		X	X		X	X	X	4	
EB-03	9-13-22	0957	G	Water	NO		X	X		X	X	X	4	

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

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

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

Special Instructions/QC Requirements: ADaPT Files

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9-13-22 1705	RDH ENV	[signature]	9/13/22 1705	EETS
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: 4.7°C IR8

Ver: 06/08/2021

1/30/2023 (Rev. 1)

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225845-1
SDG Number: Downgradient D

Login Number: 225845
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.7°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR Gulf Clean Energy Center

Job ID: 400-225845-1
SDG: Downgradient D

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date: 19 January 2024

To: Lane Dorman

From: Ashley Wilson

CC: Kris Henderson

Subject: Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-235780-1 Revision 1, 400-235804-1 Revision 1, 400-235852-1 Revision 1, 400-235962-1 Revision 1, 400-235964-1 Revision 1 and 400-235966-1 Revision 1

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one water samples, five field duplicates, four field blanks and four equipment blanks, collected 6-7 and 10-12 April 2023, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins Pensacola, Florida, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C
- Chloride by SM 4500 CL-E
- Fluoride by SM 4500 F C
- Sulfate by SM 4500 SO4 E

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 540-R-20-006).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-235780-1	MW-100
400-235780-2	MW-101
400-235780-3	MW-107
400-235780-4	MW-108
400-235780-5	MW-306
400-235780-6	MW-307
400-235780-7	DUP-01
400-235804-1	MW-104
400-235804-2	MW-105
400-235804-3	MW-106
400-235804-4	DUP-02
400-235804-5	MW-102
400-235804-6	MW-103
400-235804-7	MW-109
400-235804-8	MW-110
400-235804-9	FB-01
400-235804-10	EB-01
400-235852-1	MW-300
400-235852-2	MW-303
400-235852-3	MW-304
400-235852-4	MW-305
400-235852-5	MW-308

Laboratory IDs	Client IDs
400-235852-6	DUP-03
400-235962-1	PZ-200S
400-235962-2	PZ-200D
400-235962-3	GSA-2S
400-235962-4	PZ-201D
400-235962-5	PZ-203D
400-235962-6	MW2032/GE-1D
400-235962-7	DUP-05
400-235962-8	EB-03
400-235962-9	FB-03
400-235962-10	EB-04
400-235962-11	FB-04
400-235964-1	MW-202
400-235964-2	MW-203
400-235964-3	MW-204
400-235964-4	MW-205
400-235964-5	DUP-04
400-235964-6	EB-02
400-235964-7	FB-02
400-235966-1	MW-200
400-235966-2	MW-201
400-235966-3	MW-206

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The COC indicates the samples were received within the criteria 0-6ºC. No preservation issues were noted by the laboratory.

The laboratory reports were revised on 08/03/2023 due to the chromium data being rerun and reported. The revised laboratory reports were identified with “Revision 1” added.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B. Mercury was assessed separately, in section 2.0, below.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
⊗ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Duplicate
✓ Laboratory Control Sample
✓ Equipment Blank
⊗ Field Blank
⊗ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

400-235780-1, 400-235804-1, 400-235852-1, 400-235962-1, 400-235964-1 & 400-235966-1: A malfunctioning valve on the sample dilution apparatus allowed acid to leach small amounts of chromium from the metal parts and contaminate the samples from that short time period. This was an anomalous event. The contamination ceased once the valve was replaced. Chromium has been re-digested, re-analyzed, and re-reported for the affected samples.

400-235780-1, 400-235804-1, 400-235852-1, 400-235962-1, 400-235964-1 & 400-235966-1: The initial calibration verification (ICV) for batch 621410 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate relative percent

differences (RPDs) for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

400-235780-1 & 400-235804-1: The continuing calibration verification (CCV) associated with batch 621014 recovered above the upper control limit for boron. Since the boron concentrations in the associated samples were U qualified due to blank contamination, no additional qualifications were applied to the data.

400-235780-1: The laboratory narrative indicated that boron was detected in the continuing calibration blank (CCB) in batch 621014 at a concentration greater than the reporting limit (RL). Since the boron concentrations in the associated samples were U qualified due to blank contamination, no additional qualifications were applied to the data.

400-235962-1, 400-235964-1 and 400-235966-1: The CCV associated with batch 621410 recovered above the upper control limit for boron. Since the boron concentrations in the associated samples were U qualified due to blank contamination, no additional qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis of a preserved water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

400-235780-1: Boron was detected in the method blank in batch 620542 at an estimated concentration greater than or equal to the MDL and less than the RL. Therefore, the estimated concentrations of boron in the associated samples were U qualified as not detected above the RL.

400-235962-1: Boron and selenium were detected in the method blank in batch 620858 at estimated concentrations greater than or equal to the MDLs and less than the RLs. Therefore, the estimated concentrations of boron and selenium in the associated samples were U qualified as not detected above the RL and the detected concentrations less than five times the blank concentrations were J+ qualified as estimated above the RL.

400-235962-1: Boron was detected in the method blank in batch 633059 at an estimated concentration greater than or equal to the MDL and less than the RL. Since boron was not reported for the associated samples, no qualifications were applied to the data.

400-235964-1: Boron was detected in the method blank in batch 621199 at an estimated concentration greater than or equal to the MDL and less than the RL. Therefore, the estimated concentration of boron in the associated sample was U qualified as not detected above the RL and the detected concentrations less than five times the blank concentrations were J+ qualified as estimated above the RL.

400-235966-1: Boron was detected in the method blank in batch 621199 at an estimated concentration greater than or equal to the MDL and less than the RL. Therefore, the estimated concentration of boron in the associated sample was U qualified as not detected above the RL and the detected concentrations less than five times the blank concentrations were J+ qualified as estimated above the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-01	Boron	0.012	I V J3	0.05	U	3
MW-100	Boron	0.021	I	0.05	U	3
MW-101	Boron	0.048	I	0.05	U	3
MW-107	Boron	0.038	I	0.05	U	3
MW-108	Boron	0.035	I	0.05	U	3
MW-306	Boron	0.011	I	0.05	U	3
MW-307	Boron	0.012	I	0.05	U	3
DUP-05	Boron	0.028	V	0.028	J+	3
EB-03	Boron	0.00079	I	0.01	U	3
FB-04	Boron	0.00049	I	0.01	U	3
MW2032/GE-1D	Boron	0.025	V	0.025	J+	3
PZ-200D	Boron	0.036	V	0.036	J+	3
PZ-201D	Boron	0.025	V	0.025	J+	3
PZ-203D	Boron	0.021	V	0.021	J+	3
EB-02	Boron	0.021	I V	0.05	U	3
MW-202	Boron	0.12	V	0.12	J+	3
EB-03	Selenium	0.00019	I	0.00025	U	3
GSA-2S	Selenium	0.00084	I V	0.0013	U	3
PZ-200S	Selenium	0.0026	V	0.0026	J+	3
PZ-201D	Selenium	0.00023	I	0.00025	U	3
PZ-203D	Selenium	0.00048	NA	0.00048	J+	3

mg/L-milligram per liter
NA-not applicable
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
V-value of 10 times the blank value was equal to or greater than the associated sample value
J3- Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
*Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-235780-1: The recoveries of boron in the MS/MSD pair using sample MW-100 were low and outside of the laboratory specified acceptance criteria. Therefore, the estimated concentration of boron in sample MW-100 was J qualified as estimated below the RL.

400-235804-1: The recoveries of boron and calcium in the MS/MSD pair using sample MW-104 were high and outside of the laboratory specified acceptance criteria. Since the concentrations of boron and calcium in the sample were greater than four times the spiked amounts, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-100	Boron	0.021	I	0.05	J	4

mg/L-milligram per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Duplicate

Laboratory duplicates were not reported for metals.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.7 Equipment Blank

Four equipment blanks, EB-01, EB-02, EB-03 and EB-04, were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

400-235804-1: Boron (0.0089 mg/L) was detected at an estimated concentration greater than the MDL and less than the RLs in the equipment blank, EB-01. Since the boron concentrations in the

associated samples were qualified due to field blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

400-235962-1: Boron (0.00079 mg/L) and selenium (0.00019 mg/L) were detected at estimated concentrations greater than the MDL and less than the RLs in the equipment blank, EB-03. Since the boron and selenium concentrations in the associated samples were qualified due to method blank contamination, no additional qualifications were applied to the data.

400-235964-1: Boron (0.021 mg/L) was detected at an estimated concentration greater than the MDL and less than the RLs in the equipment blank, EB-02. Since the boron concentrations in the associated samples were qualified due to method blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

1.8 Field Blank

Four field blanks, FB-01, FB-02, FB-03 and FB-04, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exceptions.

400-235804-1: Boron (0.017 mg/L) was detected in the field blank FB-01 at an estimated concentration greater than the MDL and less than the RLs. Therefore, the estimated boron concentration in the associated samples were U qualified as not detected at the RL and the boron concentrations for samples DUP-03 and MW-305 were J+ qualified as estimated with high bias.

400-235962-1: Boron (0.00049 mg/L) was detected in the field blank FB-04 at an estimated concentration greater than the MDL and less than the RLs. Since the boron concentrations in the associated samples were qualified due to method blank contamination, no additional qualifications were applied to the data.

400-235964-1: Selenium (0.0013 mg/L) was detected in the field blank FB-02 at a concentration greater than the RL. Therefore, the estimated selenium concentration in sample MW-203 was U qualified as not detected at the RL, and the concentrations in samples DUP-04, MW-204 and MW-205 were J+ qualified as estimated with a high bias.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-300	Boron	0.042	I	0.050	U	3
DUP-03	Boron	0.056	I	0.056	J+	3
MW-305	Boron	0.015	I	0.050	U	3
DUP-02	Boron	0.014	I	0.050	U	3
EB-01	Boron	0.0089	I	0.050	U	3
MW-102	Boron	0.015	I	0.050	U	3
MW-106	Boron	0.019	I	0.050	U	3

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-04	Selenium	0.0078	NA	0.0078	J+	3
MW-203	Selenium	0.00099	I	0.0013	U	3
MW-204	Selenium	0.0056	NA	0.0056	J+	3
MW-205	Selenium	0.0038	NA	0.0038	J+	3

mg/L-milligram per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
NA-not applicable

1.9 Field Duplicate

Five field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04 and DUP-05. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-108, MW-106, MW-305, MW-204 and MW2032/GE-1D, respectively, with the following exceptions.

400-235780-1: Selenium was not detected in field duplicate sample DUP-01 and detected in parent sample MW-108 at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the estimated selenium concentration in sample MW-108 was J qualified as estimated and the non-detect result in DUP-01 was UJ qualified as not detected estimated less than the MDL.

400-235804-1: Selenium was detected in field duplicate sample DUP-02 at an estimated concentration greater than the MDL and less than the RL and not detected in parent sample MW-106, resulting in a noncalculable RPD. Therefore, the estimated selenium concentration in DUP-02 was J qualified as estimated and the non-detect result in ample MW-106 was UJ qualified as not detected estimated less than the MDL.

400-235962-3: The RPD for lithium in the field duplicate pair DUP-05 and MW2032/GE-1D was greater than 30%. Therefore, the lithium concentrations in samples DUP-05 and MW2032/GE-1D were J qualified as estimated.

400-235962-3: Lead was detected in DUP-05 at an estimated concentration greater than the MDL and less than the RL and was detected in MW2032/GE-1D at a concentration greater than the RL, resulting in a noncalculable RPD. Therefore, the lithium concentrations in samples DUP-05 and MW2032/GE-1D were J qualified as estimated.

400-235964-1: Lithium was not detected in field duplicate sample DUP-04 and detected in parent sample MW-204 at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the estimated lithium concentration in sample MW-

204 was J qualified as estimated and the non-detect result in DUP-04 was UJ qualified as not detected estimated less than the MDL.

The RPD for selenium in the field duplicate pair DUP-04 and MW-204 was greater than 30%. Therefore, the lithium concentrations in samples DUP-04 and MW-204 were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier	Reason Code
DUP-01	Selenium	0.00082	U	NC	0.0013	UJ	7
MW-108	Selenium	0.001	I		0.0013	J	7
DUP-02	Selenium	0.0011	I	NC	0.0013	UJ	7
MW-106	Selenium	0.00082	U		0.0013	J	7
DUP-05	Lithium	0.0017	I	48.9	0.054	J	7
MW2032/GE-1D	Lithium	0.0028	NA		0.03	J	7
DUP-05	Lead	0.00023	I	NC	0.00023	J	7
MW2032/GE-1D	Lead	0.00027	NA		0.00027	J	7
DUP-04	Lithium	0.0049	U	NC	0.005	UJ	7
MW-204	Lithium	0.0053	NA		0.0053	J	7
DUP-04	Selenium	0.0078	NA	32.8	0.0078	J	7
MW-204	Selenium	0.0056	NA		0.0056	J	7

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
U-not detected at a concentration greater than or equal to the MDL
NA-not applicable
NC-not calculable

1.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

2.0 MERCURY

The samples were analyzed for mercury by US EPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank

⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity

2.1 Overall Assessment

2.1.1 Completeness

The mercury data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

2.1.2 Analysis Anomaly

400-235962-1 & 400-235964-1: The CCB for preparation batch 400-621134 and 400-621295 and analytical batch 400-621343 contained mercury above the MDL. Since mercury was either not detected or detected at concentrations greater than the RL in the associated samples, no qualifications were applied to the data.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blanks at or above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery and RPD results were within the laboratory specified acceptance criteria.

400-235804-1: The MS recovery of mercury in the MS/MSD pair using sample MW-104 was low and outside of laboratory specified acceptance criteria. Therefore, the detected concentration of mercury in sample MW-104 was J- qualified as estimated with a high bias.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-104	Mercury	0.00064	NA	0.00064	J-	4

mg/L-milligrams per liter
NA-not applicable

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Four equipment blanks, EB-01, EB-02, EB-03 and EB-04, were collected with the sample set. Mercury was not detected in the equipment blanks at or above the MDLs.

2.7 Field Blank

Four field blanks, FB-01, FB-02, FB-03 and FB-04, were collected with the sample set. Mercury was not detected in the field blanks at or above the MDLs.

2.8 Field Duplicate

Five field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04 and DUP-05. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-108, MW-106, MW-305, MW-204 and MW2032/GE-1D, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by SM 4500 Cl-E, fluoride by SM 4500 F C, sulfate by SM 4500 SO4 E and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
⊗ Holding Times
⊗ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
⊗ Laboratory Duplicate
✓ Equipment Blank
⊗ Field Blank
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The wet chemistry data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

400-235852-1: Method SM 4500 SO4 E: The continuous calibration blank for analytical batch 400-633307 contained sulfate above the MDL. Based on the concentration in the associated sample, no qualifications were applied to the data.

3.2 Holding Times

The holding time for the fluoride, chloride and sulfate analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

400-235804-1: The sulfate re-analyses for samples MW-104 and MW-110 were performed outside the holding time. The original analyses were not considered for validation based on professional and technical judgment. Therefore, the sulfate concentrations for these samples were J- qualified as estimated with low bias.

400-235852-1: The sulfate analysis for samples MW-303 and MW-304, were performed outside the holding time. The original analyses were not considered for validation based on professional

and technical judgment. Therefore, the sulfate concentrations for these samples were J- qualified as estimated with low bias.

400-235966-1: The sulfate analysis for sample MW-206 was performed outside the holding time. The original analyses were not considered for validation based on professional and technical judgment. Therefore, the estimated sulfate concentration for the sample was J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-104	Sulfate	640	Q	640	J-	2
MW-110	Sulfate	180	Q	180	J-	2
MW-303	Sulfate	180	Q	180	J-	2
MW-304	Sulfate	610	Q	610	J-	2
MW-206	Sulfate	12	I V Q	12	J	2

mg/L-milligram per liter
Q- Sample held beyond the accepted holding time
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
V-value of 10 times the blank value was equal to or greater than the associated sample value

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each analysis and batch TDS (batches 640924, 640542, 639622, 640235, 640236 and 640676), chloride (batches 641324 (2), 640514, 640388 (2), 641323, and 641285), sulfate (batches 642280, 640429, 641531, 640429, 640948, 641531, 640903, 640948 and 641531) and fluoride (batches 641607, 640645, 639700, 640645, and 641607). The wet chemistry parameters were not detected in the method blanks at or above the MDLs, with the following exceptions.

400-235804-1: Sulfate (1.67 mg/L) was detected in the method blank in batch 625380 at an estimated concentration greater than the MDL and less than the RL. Based on the sulfate concentration in the associated sample, no qualifications were applied to the data.

400-235804-1, 400-235852-1 and 400-235966-1: Sulfate (2.85 mg/L) was detected in the method blank in batch 625814 at an estimated concentration grater than the MDL and less than the RL. Therefore, the estimated sulfate concentration for sample MW-206 was U qualified as not detected at the RL. Based on the sulfate concentration in the remaining associated samples, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-206	Sulfate	12	I V Q	25	U	3

mg/L-milligram per liter
I- The reported value is between the laboratory MDL and the laboratory RL.
Q- Sample held beyond the accepted holding time
V-laboratory flag indicating analyte was detected in both the sample and method blank

3.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs were reported for chloride using samples EB-01, PZ-200S, MW-300, MW-105 and MW-204. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-235804-1: The recoveries of chloride for the MS/MSD pair using sample MW-106 were low and outside the laboratory specified acceptance criteria. Therefore, the chloride concentration for sample MW-106 was J- qualified as estimated with low bias.

400-235804-1: The recoveries of sulfate for the MS/MSD pair using sample MW-104 were low and outside the laboratory specified acceptance criteria. Since the associated analysis was not reported, no qualifications were applied to the data.

400-235804-1: The recoveries of sulfate for the MS/MSD pair using sample MW-110 were low and outside the laboratory specified acceptance criteria. Therefore, the sulfate concentration for sample MW-110 was J- qualified as estimated with low bias.

400-235852-1: The recoveries of sulfate for the MS/MSD pair using sample MW-305 were low and outside the laboratory specified acceptance criteria. Therefore, the sulfate concentration for sample MW-305 was J- qualified as estimated with low bias.

400-235852-1: The recoveries of sulfate for the MS/MSD pair using sample MW-303 were low and outside the laboratory specified acceptance criteria. Therefore, the sulfate concentration for sample MW-303 was J- qualified as estimated with low bias.

400-235966-1: The recoveries of sulfate in the MS/MSD pair using sample MW-200 were low, less than 35% and outside of the laboratory specified acceptance criteria. Therefore, the sulfate concentration in sample MW-200 was J- qualified as estimated with a low bias.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-106	Chloride	2.8	NA	2.8	J-	4
MW-110	Sulfate	180	Q	180	J-	4

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-305	Sulfate	74	NA	74	J-	4

mg/L-milligram per liter
NA-not applicable

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs or LCS/LCS duplicate (LCSD) pairs were reported for each analysis and batch. The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Four sample set specific laboratory duplicates were reported for TDS using samples MW-204, MW-200, MW-303 and MW-105. The RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-235962-1: The RPD of TDS for the laboratory duplicate using sample PZ-200S was outside the laboratory specified acceptance criteria. Therefore, the TDS concentration for sample PZ-200S was J qualified as estimated.

400-235964-1: The RPD of TDS for the laboratory duplicate using sample MW-202 was outside the laboratory specified acceptance criteria. Therefore, the TDS concentration for sample MW-202 was J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-200S	Total Dissolved Solids	1100	NA	1100	J	12
MW-202	Total Dissolved Solids	74	NA	74	J	12

mg/L-milligrams per liter
NA-not applicable

3.7 Equipment Blank

Three equipment blanks, EB-01, EB-02 and EB-03, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

400-235964-1: Sulfate (1.8 mg/L) was detected in EB-02 at an estimated concentration greater than the MDL and less than the RL. Since the sulfate concentration for EB-02 was U qualified due to field blank contamination, no additional qualifications were applied to the data.

3.8 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. The wet chemistry parameters were not detected in the field blanks at or above the MDLs, with the following exceptions.

400-235964-1: Chloride (6.4 mg/L) was detected at a concentration greater than the RL and sulfate (1.5 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated sulfate concentration for EB-02 was U qualified as not detected at the RL and the chloride concentrations in samples MW-202, MW-203 and MW-205 were J+ qualified as estimated with high bias.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-202	Chloride	13	NA	13	J+	3
MW-203	Chloride	11	NA	11	J+	3
MW-205	Chloride	63	NA	63	J+	3
MW-206	Sulfate	12	I V Q	25	U	3

mg/L-milligrams per liter
I- The reported value is between the laboratory MDL and the laboratory RL.
Q- Sample held beyond the accepted holding time
V-laboratory flag indicating analyte was detected in both the sample and method blank
NA-not applicable

3.9 Field Duplicate

Six field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04, DUP-05 and DUP-06. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-307, MW-300, MW-308, MW-205, PZ-203D and GSA-2S, respectively.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

3.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	25 July 2023
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	Matthew Richardson
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-235780-2, 400-235804-2, 400-235852-2, 400-235962-2, 400-235964-2 and 400-235966-2**

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one aqueous samples, five field duplicates, field field blanks and four equipment blanks, collected 6-12 April 2023, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- United States Environmental Protection Agency (US EPA) Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- American Nuclear Society Verification and Validation of Radiological Data for Use in Management and Environmental Remediation, ANSI/ANS-41.5-2012, February 15, 2012.

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
400-235780-1	MW-100
400-235780-2	MW-101
400-235780-3	MW-107
400-235780-4	MW-108
400-235780-5	MW-306
400-235780-6	MW-307
400-235780-7	DUP-01
400-235804-1	MW-104
400-235804-2	MW-105
400-235804-3	MW-106
400-235804-4	DUP-02
400-235804-5	MW-102
400-235804-6	MW-103
400-235804-7	MW-109
400-235804-8	MW-110
400-235804-9	FB-01
400-235804-10	EB-01
400-235852-1	MW-300
400-235852-2	MW-303
400-235852-3	MW-304
400-235852-4	MW-305
400-235852-5	MW-308

Laboratory ID	Client ID
400-235852-6	DUP-03
400-235962-1	PZ-200S
400-235962-2	PZ-200D
400-235962-3	GSA-2S
400-235962-4	PZ-201D
400-235962-5	PZ-203D
400-235962-6	MW2032/GE-1D
400-235962-7	DUP-05
400-235962-8	EB-03
400-235962-9	FB-03
400-235962-10	EB-04
400-235962-11	FB-04
400-235964-1	MW-202
400-235964-2	MW-203
400-235964-3	MW-204
400-235964-4	MW-205
400-235964-5	DUP-04
400-235964-6	EB-02
400-235964-7	FB-02
400-235966-1	MW-200
400-235966-2	MW-201
400-235966-3	MW-206

No preservation issues were noted by the laboratory.

400-217538-2 - Incorrect error corrections were observed on the chain of custody (COC), instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment

✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
⊗ Laboratory Control Sample
✓ Tracers and Carriers
⊗ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this sample set are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.1.2 Analysis Anomaly

400-235780-2: Radium-226 and radium-228 were detected at concentrations less than the minimum detectable concentrations (MDCs) in samples FB-01 and PZ-201D; however, the combined radium 226 + 228 concentrations were indicated as being greater than the MDCs. Since both radium-226 and radium-228 were less than the MDCs, radium 226 + 228 was calculated from the radium-226 and radium-228 concentrations and based on professional and technical judgment, the combined radium 226 + 228 concentration in samples FB-01 and PZ-201D were U qualified as not detected at or above the MDCs.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
FB-03	Combined Radium 226 + 228	0.460	NA	0.460	U	13
MW-101	Combined Radium 226 + 228	0.754	NA	0.754	U	13

pCi/L-picocuries per liter
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding time for the radium-226 and radium-228 analyses of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported for radium-226 (batches 608150, 608336, 608359, 608529, 608339 and 608497) and six method blanks were reported for radium-228 (batches 608160, 608338, 608364, 608618, 608343 and 608510). The radiochemistry parameters were not detected in the method blanks above the MDCs.

400-235962-2 and 400-235964-2: Radium-228 (0.7596 pCi/L) was detected in method blank in batch 608618 at a concentration greater than the MDC. Therefore, the radium-228 concentrations in the associated samples greater than the MDC and less than ten times the field blank concentration were qualified as following:

- For radium-228 concentrations with a MD between 0 and 2 the concentration was UJ qualified as estimated less than the reported concentration.
- For radium-228 concentrations with a MD greater than 2, the concentration was J qualified as estimated.
- Also, for samples that were qualified for J qualified for radium-228 due to field blank contamination, the combined radium concentration was also J qualified as estimated.

In addition, for samples that were qualified for UJ qualified for radium-228 due to field blank contamination, the combined radium concentration was also J qualified as estimated or UJ qualified as estimated less than the reported concentration.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
DUP-05	Radium-228	1.72	NA	1.72	UJ	3
DUP-05	Combined Radium 226 + 228	2.14	NA	2.14	J	3
EB-03	Radium-228	0.947	NA	0.947	UJ	3
EB-03	Combined Radium 226 + 228	0.880	NA	0.880	UJ	3
FB-04	Radium-228	0.590	NA	0.590	UJ	3
FB-04	Combined Radium 226 + 228	0.512	NA	0.512	UJ	3
GSA-2S	Radium-228	3.26	NA	3.26	J	3
GSA-2S	Combined Radium 226 + 228	4.62	NA	4.62	J	3

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW2032/GE-1D	Radium-228	1.97	NA	1.97	UJ	3
MW2032/GE-1D	Combined Radium 226 + 228	2.49	NA	2.49	UJ	3
PZ-200D	Radium-228	0.502	NA	0.502	UJ	3
PZ-200D	Combined Radium 226 + 228	0.687	NA	0.687	UJ	3
PZ-200S	Radium-228	9.55	NA	9.55	J	3
PZ-200S	Combined Radium 226 + 228	18.2	NA	18.2	J	3
PZ-201D	Radium-228	0.960	NA	0.960	UJ	3
PZ-201D	Combined Radium 226 + 228	1.19	NA	1.19	J	3
EB-02	Radium-228	0.772	NA	0.772	UJ	3
EB-02	Combined Radium 226 + 228	0.753	NA	0.753	UJ	3
FB-02	Radium-228	1.09	G	1.09	UJ	3
FB-02	Combined Radium 226 + 228	1.03	NA	1.03	UJ	3
MW-202	Radium-228	0.749	NA	0.749	UJ	3
MW-202	Combined Radium 226 + 228	1.31	NA	1.31	J	3
MW-203	Radium-228	2.28	NA	2.28	J	3
MW-203	Combined Radium 226 + 228	3.13	NA	3.13	J	3
MW-205	Radium-228	2.35	NA	2.35	J	3
MW-205	Combined Radium 226 + 228	3.90	NA	3.90	J	3

pCi/L-picocuries per liter
G-The Sample MDC is greater than the requested RL.
NA-not applicable

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

One batch MS/MSD pair was reported for radium-226 and one batch MS/MSD pair was reported for radium-228.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS and five LCS/laboratory control sample duplicate (LCSD) pairs were reported for radium-226 and one LCS and five LCS/LCSD pair were reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria, with the following exceptions.

400-235804-2: The recoveries of radium-228 in the LCS/LCSD pair in batch 608364 were low and outside of the laboratory specified acceptance criteria. In addition, the RPD was high and outside the laboratory specified acceptance criteria. Therefore, the concentrations of radium-228 and combined radium 226 and 228 in the associated samples were J qualified as estimated.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-104	Radium-228	11.9	J	11.9	J	5
MW-104	Combined Radium 226 + 228	13.0	NA	13.0	J	5
MW-105	Radium-228	2.51	J	2.51	J	5
MW-105	Combined Radium 226 + 228	3.09	I	3.09	J	5

pCi/L-picocuries per liter
I-The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J-Estimated value; value may not be accurate.
NA-not applicable

1.6 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria, with the following exception.

400-235966-2: The recovery of yttrium carrier in the method blank in batch 608510 was high and outside the laboratory specified acceptance criteria. Since radium-228 was not detected in the method blank and the carrier recoveries in the associated samples were within the laboratory specified acceptance criteria, no qualifications were applied to the data.

1.7 Field Blank

Three field blanks were collected with the sample set, FB-01, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs, with the following exception.

400-235964-2: Radium-228 (1.09 pCi/L) was detected in FB-02 at a concentration greater than the MDC. Therefore, the radium-228 concentrations in the associated samples greater than the MDC and less than ten times the field blank concentration were qualified as following:

- For radium-228 concentrations with a MD between 0 and 2 the concentration was UJ qualified as estimated less than the reported concentration.
- For radium-228 concentrations with a MD greater than 2, the concentration was J qualified as estimated.

- Also, for samples that were qualified for J qualified for radium-228 due to field blank contamination, the combined radium concentration was also J qualified as estimated.

In addition, for samples that were qualified for UJ qualified for radium-228 due to field blank contamination, the combined radium concentration was also J qualified as estimated or UJ qualified as estimated less than the reported concentration.

400-235962-2 – Combined Radium-226 and 228 was reported in FB-03 at a concentration greater than the MDC. Since the radium 226 and radium 228 were not detected at concentrations greater than the MDCs and based on professional and technical judgment, no qualifications were applied to the data.

400-235962-2: Radium-228 (0.590 pCi/L) was detected in FB-04 at a concentration greater than the MDC. Since the radium-228 concentration in FB-04 was UJ qualified as estimated less than the reported concentration due to method blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-303	Radium-228	5.73	NA	5.73	J	3
MW-303	Combined Radium 226 + 228	6.62	NA	6.62	J	3
MW-308	Radium-228	0.873	NA	0.873	UJ	3
MW-308	Combined Radium 226 + 228	1.17	NA	1.17	J	3
DUP-04	Radium-228	8.99	NA	8.99	J	3
DUP-04	Combined Radium 226 + 228	10.1	NA	10.1	J	3
EB-02	Radium-228	0.772	NA	0.772	UJ	3
EB-02	Combined Radium 226 + 228	0.753	NA	0.753	UJ	3
MW-202	Radium-228	0.749	NA	0.749	UJ	3
MW-202	Combined Radium 226 + 228	1.31	NA	1.31	J	3
MW-203	Radium-228	2.28	NA	2.28	UJ	3
MW-203	Combined Radium 226 + 228	3.13	NA	3.13	J	3
MW-204	Radium-228	9.77	NA	9.77	J	3
MW-204	Combined Radium 226 + 228	11.1	NA	11.1	J	3
MW-205	Radium-228	2.35	NA	2.35	UJ	3
MW-205	Combined Radium 226 + 228	3.90	NA	3.90	J	3
MW-200	Radium-228	3.33	NA	3.33	J	3

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-200	Combined Radium 226 + 228	5.67	NA	5.67	J	3
MW-201	Radium-228	6.47	NA	6.47	J	3
MW-201	Combined Radium 226 + 228	8.70	NA	8.70	J	3
MW-206	Radium-228	2.18	NA	2.18	UJ	3
MW-206	Combined Radium 226 + 228	3.90	NA	3.90	J	3

pCi/L-picocuries per liter
NA-not applicable

1.8 Equipment Blank

Three equipment blanks were collected with the sample set, EB-01, EB-02 and EB-03. The radiochemistry parameters were not detected in the equipment blanks above the MDCs, with the following exception.

400-235964-2: Radium-228 (0.772 pCi/L) was detected in EB-02 at a concentration greater than the MDC. Since the radium-228 concentration in EB-02 was UJ qualified as estimated less than the reported concentration due to method blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

400-235962-2: Radium-228 (0.947 pCi/L) was detected in EB-03 at a concentration greater than the MDC. Since the radium-228 concentration in EB-03 was UJ qualified as estimated less than the reported concentration due to method blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

1.9 Field Duplicate

Five field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04 and DUP-05. Acceptable precision (RER≤ 3) was demonstrated between the field duplicates and the original samples, MW-108, MW-106, MW-305, MW-204 and MW2032/GE-1D, respectively.

1.10 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

N There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	12 January 2024
To:	Lane Dorman
From:	Matthew Richardson
CC:	Jen Pinion
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-242672-3, 400-242673-3 Revision 1, 400-242880-1, 400-243115-1, 400-243116-1 and 400-243166-1**

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one water samples, six field duplicates, three field blanks and three equipment blanks, collected 01, 06-08 and 12-13 September 2023, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins Pensacola, Florida, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C
- Chloride by SM 4500 CL-E
- Fluoride by SM 4500 F C
- Sulfate by SM 4500 SO4 E

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 540-R-20-006).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-242672-5	PZ-200S
400-242672-6	PZ-200D
400-242672-7	GSA-2S
400-242672-8	PZ-201D
400-242672-9	PZ-203D
400-242672-10	MW2032/GE-1D
400-242672-11	DUP-05
400-242672-12	DUP-06
400-242673-11	MW-200
400-242673-12	MW-201
400-242673-13	MW-206
400-242673-14	FB-03
400-242673-15	EB-03
400-242880-1	MW-100
400-242880-2	MW-101
400-242880-3	MW-107
400-242880-4	MW-108
400-242880-5	MW-306
400-242880-6	MW-307
400-242880-7	DUP-01
400-242880-8	EB-01
400-242880-9	FB-01

Laboratory IDs	Client IDs
400-243115-1	MW-300
400-243115-2	MW-303
400-243115-3	MW-304
400-243115-4	MW-305
400-243115-5	MW-308
400-243115-6	DUP-03
400-243115-7	DUP-02
400-243116-1	MW-102
400-243116-2	MW-103
400-243116-3	MW-104
400-243116-4	MW-105
400-243116-5	MW-106
400-243116-6	MW-109
400-243116-7	MW-110
400-243116-8	EB-02
400-243116-9	FB-02
400-243166-1	MW-202
400-243166-2	MW-203
400-243166-3	MW-204
400-243166-4	MW-205
400-243166-5	DUP-04

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The COC indicates the samples were received within the criteria 0-6ºC. No preservation issues were noted by the laboratory.

Laboratory report 400-242673-3 was revised by the laboratory on 11/23/2023 to report sample MW-206 at lower dilution for chromium and lead. The laboratory report was identified as 400-242673-1 Revision 1.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B. Mercury was assessed separately, in section 2.0, below.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Duplicate
✓ Laboratory Control Sample
⊗ Equipment Blank
⊗ Field Blank
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

400-242672-3: The laboratory narrative indicated that the serial dilution using sample PZ-200S was outside of the control limit. Using the level 3 report, the data validator manually calculated the %D for selenium to be greater than 10%. Since the selenium concentration in the initial result of sample PZ-200S was less than fifty times the RL, no qualifications were applied to the data.

The laboratory narrative indicated that the post-digestion spike (PDS) using sample PZ-200S was outside of the control limit. The level III report revealed the PDS recovery of antimony was high

and outside of the laboratory specified acceptance criteria. Since antimony was not detected in sample PZ-200S, no qualifications were applied to the data.

400-242673-3: The laboratory narrative indicated that boron was detected in the continuing calibration blank (CCB) in batch 642873 at a concentration greater than the reporting limit (RL). Since boron was not detected in the associated samples or detected at concentrations greater than ten times the blank contamination, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis of a preserved water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five method blanks were reported (batches 643149, 642514, 641896, 642497 and 642338). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

400-243115-1 and 400-243116-1: Calcium was detected in the method blank in batch 642497 at an estimated concentration greater than or equal to the MDL and less than the RL. Since the concentrations of calcium were detected greater than the RLs in the associated samples, no qualifications were applied to the data.

400-242880-1: An undiluted method blank was not reported in batch 641896. Since the field blank was analyzed as undiluted and based on professional and technical judgment, the field blank was considered as QC data for the sampling and analysis process and used for qualifying the associated sample data. See section 1.8 for summary of qualifications.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

One sample set specific MS/MSD pair was reported, using sample MW-300. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

400-243115-1: The recoveries of boron and barium in the MS/MSD pair using sample MW-300 were high and outside of the laboratory specified acceptance criteria. Therefore, the concentration of barium greater than the RLs and the estimated concentration of boron in sample MW-300 were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-300	Barium	0.014	NA	0.014	J+	4
MW-300	Boron	0.048	I	0.048	J+	4

mg/L-milligram per liter
NA-not applicable
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the rRL
*Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Duplicate

Laboratory duplicates were not reported for metals.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.7 Equipment Blank

Three equipment blanks, EB-01, EB-02 and EB-03, were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

400-242673-3: Barium (0.04 mg/L), boron (3.2 mg/L), calcium (40 mg/L) and selenium (0.0026 mg/L) were detected greater than the RLs in the equipment blank, EB-03. Since the concentrations of barium, boron, calcium and selenium in the associated samples were qualified due to field blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

Cobalt (0.0018 I mg/L) and molybdenum (0.0029 I mg/L) were detected at an estimated concentration greater than the MDL and less than the RLs in the equipment blank, EB-03. Since molybdenum was not detected in the associated samples and the cobalt concentrations in the associated samples were qualified due to field blank contamination, no additional qualifications were applied to the data.

400-242880-1: Boron (0.0082 I mg/L) was detected at an estimated concentration greater than the MDL and less than the RLs in the equipment blank, EB-01. Since the boron concentrations in the

associated samples were qualified due to field blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

1.8 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exceptions.

400-242673-3: Cobalt and molybdenum were detected in the field blank FB-03 at estimated concentrations greater than the MDLs and less than the RLs. Since molybdenum was not detected in the associated samples, no qualifications were applied to the molybdenum data. However, the estimated cobalt concentrations in samples MW-202, MW-204 and MW-200 were U qualified as not detected at the RL, and the cobalt concentration in sample MW-206 was J+ qualified as estimated with a high bias.

Barium (0.042 mg/L), boron (3.1 mg/L), calcium (49 mg/L) and selenium (0.0053 mg/L) were detected at concentrations greater than the RLs in the field blank FB-03. Therefore, the selenium concentration in sample MW-200 was U qualified as not detected at the RL, and the concentrations of barium, boron, calcium and selenium in the associated samples that were less than ten times the blank contamination were J+ qualified as estimated with high biases in the associated samples.

400-242880-1: Boron was detected in the field blank FB-01 at an estimated concentration greater than the MDL and less than the RLs. Therefore, the concentrations of boron in the associated samples that were less than ten times the blank contamination were J+ qualified as estimated with high biases in the associated samples.

400-242880-1: Barium (0.00075 mg/L) was detected in the field blank FB-01 at a concentration greater than the RL. Since barium was detected in the associated samples at concentrations greater than ten times the field blank contamination, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-201	Barium	0.014	NA	0.014	J+	3
MW-200	Barium	0.018	NA	0.018	J+	3
MW-206	Barium	0.024	NA	0.024	J+	3
EB-03	Barium	0.040	NA	0.040	J+	3
MW-202	Barium	0.039	J3	0.039	J+	3
MW-203	Barium	0.043	NA	0.043	J+	3
MW-204	Barium	0.036	NA	0.036	J+	3
MW-200	Boron	0.16	NA	0.16	J+	3
MW-201	Boron	0.86	NA	0.86	J+	3

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
EB-03	Boron	3.2	NA	3.2	J+	3
MW-206	Boron	5.9	NA	5.9	J+	3
MW-202	Boron	2.5	J3	2.5	J+	3
MW-203	Boron	3.5	NA	3.5	J+	3
MW-204	Boron	9.9	NA	9.9	J+	3
MW-200	Calcium	5.1	NA	5.1	J+	3
MW-202	Calcium	73	NA	73	J+	3
MW-203	Calcium	70	NA	70	J+	3
MW-204	Calcium	150	NA	150	J+	3
MW-202	Cobalt	0.00069	I	0.0025	U	3
MW-204	Cobalt	0.00069	I	0.0025	U	3
MW-200	Cobalt	0.00069	I	0.0025	U	3
MW-206	Cobalt	0.0074	NA	0.0074	J+	3
MW-200	Selenium	0.0011	I	0.0013	U	3
MW-201	Selenium	0.0015	NA	0.0015	J+	3
EB-03	Selenium	0.0026	NA	0.0026	J+	3
MW-206	Selenium	0.0099	NA	0.0099	J+	3
MW-202	Selenium	0.0032	NA	0.0032	J+	3
MW-203	Selenium	0.0023	NA	0.0023	J+	3
MW-204	Selenium	0.0056	NA	0.0056	J+	3
DUP-01	Boron	0.016	NA	0.016	J+	3
MW-307	Boron	0.016	NA	0.016	J+	3
MW-306	Boron	0.016	NA	0.016	J+	3
MW-101	Boron	0.020	NA	0.020	J+	3
MW-100	Boron	0.021	NA	0.021	J+	3
MW-107	Boron	0.023	NA	0.023	J+	3
MW-108	Boron	0.025	NA	0.025	J+	3

mg/L-milligram per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
J3-estimated value; value may not be accurate. Spike recovery or relative percent difference (RPD) outside of criteria
NA-not applicable

1.9 Field Duplicate

Six field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04, DUP-05 and DUP-06. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-307, MW-300, MW-308, MW-205, PZ-203D and GSA-2S, respectively, with the following exceptions.

400-242672-3: Selenium and lithium were detected in parent sample PZ-203D at estimated concentrations greater than the MDLs and less than the RLs and not detected in field duplicate sample DUP-05, resulting in noncalculable RPDs. Therefore, the selenium and lithium concentrations in sample PZ-203D were J qualified as estimated, and the non-detect results of selenium and lithium in sample DUP-05 were UJ qualified as estimated less than the MDLs.

400-242672-3: Selenium was detected in field duplicate sample DUP-06 at a concentration greater than the RL and detected in parent sample GSA-2S at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the selenium concentrations in samples DUP-06 and GSA-2S were J qualified as estimated.

400-242672-3: The RPDs for barium and boron in the field duplicate pair DUP-06/GSA-2S were greater than 30%. Therefore, the barium and boron concentrations in samples DUP-06 and GS-2S were J qualified as estimated.

400-242880-1: Chromium was detected in field duplicate sample DUP-01 at an estimated concentration equal to the MDL and not detected in parent sample MW-307, resulting in a noncalculable RPD. Therefore, the chromium concentration in sample DUP-01 was J qualified as estimated, and the non-detect result of chromium in sample MW-307 was UJ qualified as estimated less than the MDL.

400-242880-1: Selenium was detected in parent sample MW-307 at an estimated concentration greater than the MDL and less than the RL and not detected in field duplicate sample DUP-01, resulting in a noncalculable RPD. Therefore, the selenium concentration in sample MW-307 was J qualified as estimated, and the non-detect result of selenium in sample DUP-01 was UJ qualified as estimated less than the MDL.

400-243115-1: The RPD for barium in the field duplicate pair DUP-02/MW-300 was greater than 30%. Therefore, the barium concentrations in samples DUP-02 and MW-300 were J qualified as estimated.

400-243115-1: Boron was detected in field duplicate sample DUP-02 at a concentration greater than the RL and detected in parent sample MW-300 at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the boron concentrations in samples DUP-02 and MW-300 were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-05	Lithium	0.0049	U	NC	0.0049	UJ	7
PZ-203D	Lithium	0.0052	NA		0.0052	J	7
DUP-05	Selenium	0.00082	U	NC	0.00082	UJ	7

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
PZ-203D	Selenium	0.0024	NA		0.0024	J	7
DUP-06	Barium	0.016	NA	135	0.016	J	7
GSA-2S	Barium	0.0031	NA		0.0031	J	7
DUP-06	Boron	0.41	NA	123	0.41	J	7
GSA-2S	Boron	0.097	NA		0.097	J	7
DUP-06	Selenium	0.0012	I	NC	0.0012	J	7
GSA-2S	Selenium	0.0019	NA		0.0019	J	7
DUP-01	Chromium	0.00042	I	NC	0.00042	J	7
MW-307	Chromium	0.00042	U		0.00042	UJ	7
DUP-01	Selenium	0.00016	U	NC	0.00016	UJ	7
MW-307	Selenium	0.00022	I		0.00022	J	7
DUP-02	Barium	0.01	NA	33	0.01	J	7
MW-300	Barium	0.014	NA		0.014	J	7
DUP-02	Boron	0.053	NA	NC	0.053	J	7
MW-300	Boron	0.048	I		0.048	J	7

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
U-not detected at a concentration greater than or equal to the MDL
NA-not applicable
NC-not calculable

1.10 Sensitivity

The samples were reported to the MDLs. Samples MW-303, MW-304, MW-305, MW-308, DUP-03 , MW-202, MW-203, MW-204, MW-103, MW-104, MW-105, MW-109, MW-110 and EB-02 were diluted to bring the concentrations within the calibration range. Elevated non-detect results were reported due to the dilutions analyzed.

1.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. The laboratory flag "V" was misapplied according to the definition reported in the laboratory report. The barium and boron concentrations in sample MW-202 were flagged with "J3"; however, there were no reported QC failures using client specific samples that support the "J3" flags. No additional discrepancies were identified between the level II reports and the EDDs.

2.0 MERCURY

The samples were analyzed for mercury by US EPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eleven method blanks were reported (batches 641202, 640489, 640094, 640487, 640661, 641070 and 641188). Mercury was not detected in the method blanks at or above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported using sample FB-02. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eleven LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Three equipment blanks, EB-01, EB-02 and EB-03, were collected with the sample set. Mercury was not detected in the equipment blanks at or above the MDLs.

2.7 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. Mercury was not detected in the field blanks at or above the MDLs.

2.8 Field Duplicate

Six field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04, DUP-05 and DUP-06. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-307, MW-300, MW-308, MW-205, PZ-203D and GSA-2S, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by SM 4500 Cl-E, fluoride by SM 4500 F C, sulfate by SM 4500 SO4 E and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues

were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ⊗ Equipment Blank
- ⊗ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The wet chemistry data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

3.2 Holding Times

The holding time for the fluoride, chloride and sulfate analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each analysis and batch TDS (batches 640924, 640542, 639622, 640235, 640236 and 640676), chloride (batches 641324 (2), 640514, 640388 (2), 641323, and 641285), sulfate (batches 642280, 640429, 641531, 640429, 640948, 641531, 640903, 640948 and 641531) and fluoride (batches 641607, 640645, 639700, 640645, and 641607). The wet chemistry parameters were not detected in the method blanks at or above the MDLs, with the following exceptions.

400-242672-3: Chloride was detected in the method blanks in batch 641324 at an estimated concentration greater than the MDL and less than the RL. Therefore, the chloride concentrations in the associated samples that were less than ten times blank contamination were J+ qualified as estimated with high biases.

400-243115-1 and 400-243116-1: Sulfate was detected in the method blanks in batch 640948 at an estimated concentrations greater than the MDLs and less than the RLs. Therefore, the sulfate concentrations in the associated samples that were less than ten times the blank contamination were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
PZ-200D	Chloride	3.9	V	3.9	J+	3
PZ-201D	Chloride	3.8	V	3.8	J+	3
DUP-05	Chloride	4.4	V	4.4	J+	3
PZ-203D	Chloride	4.2	V	4.2	J+	3
MW-103	Sulfate	20	V	20	J+	3

mg/L-milligram per liter
V-laboratory flag indicating analyte was detected in both the sample and method blank

3.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs were reported for chloride using samples EB-01, PZ-200S, MW-300, MW-105 and MW-204. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-242672-3: The recoveries of chloride in the MS/MSD pair using sample PZ-200S were low, less than 35% and outside of the laboratory specified acceptance criteria. Since the chloride concentration in sample PZ-200S was greater than four times the MS/MSD spike concentrations, no qualifications were applied to the data.

400-243166-1: The recoveries of chloride in the MS/MSD pair using sample MW-204 were low, 0% and outside of the laboratory specified acceptance criteria. Since the chloride concentration in sample MW-204 was greater than four times the MS/MSD spike concentrations, no qualifications were applied to the data.

Four sample set specific MS/MSD pairs were reported for fluoride using samples MW-100, MW-200 and MW-109. The recovery and RPD results were within the laboratory specified acceptance criteria.

Three sample set specific MS/MSD pairs were reported for sulfate using samples EB-01, MW-206 and FB-03. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-242673-3: The recoveries of sulfate in the MS/MSD pair using sample MW-206 were low, 0% and outside of the laboratory specified acceptance criteria. Since the sulfate concentration in sample MW-206 was greater than four times the MS/MSD spike concentrations, no qualifications were applied to the data.

400-242673-3: The recoveries of sulfate in the MS/MSD pair using sample FB-03 were low, less than 35% and outside of the laboratory specified acceptance criteria. Therefore, the sulfate concentration in sample FB-03 was J- qualified as estimated with a low bias.

MS/MSD pairs were not reported for TDS.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
FB-03	Sulfate	160	NA	160	J-	4

mg/L-milligram per liter
NA-not applicable

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs or LCS/LCS duplicate (LCSD) pairs were reported for each analysis and batch. The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Four sample set specific laboratory duplicates were reported for TDS using samples MW-204, MW-200, MW-303 and MW-105. The RPD results were within the laboratory specified acceptance criteria.

Two sample set specific laboratory duplicates were reported for fluoride using samples MW-104 and MW-205. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

Three equipment blanks, EB-01, EB-02 and EB-03, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

400-242673-3 and 400-243166-1: TDS (370 mg/L), chloride (59 mg/L) and sulfate (150 mg/L) were detected in the equipment blank EB-03 at concentrations greater than the RLs. Since the concentrations of TDS, chloride and sulfate in the associated samples were qualified due to field blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

400-242880-1: Chloride (3 mg/L) was detected in the equipment blank EB-01 at a concentration greater than the RL. Therefore, the chloride concentrations in samples MW-101, MW-107, MW-108, MW-307, MW-306 and MW-100 were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-101	Chloride	3.9	NA	3.9	J+	3
MW-107	Chloride	4.2	NA	4.2	J+	3
MW-108	Chloride	4.2	NA	4.2	J+	3
MW-307	Chloride	4.4	NA	4.4	J+	3
MW-306	Chloride	4.8	NA	4.8	J+	3
MW-100	Chloride	5.5	NA	5.5	J+	3

mg/L-milligrams per liter
NA-not applicable

3.8 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. The wet chemistry parameters were not detected in the field blanks at or above the MDLs, with the following exceptions.

400-242673-3 and 400-243166-1: TDS (380 mg/L), chloride (59 mg/L) and sulfate (160 mg/L) were detected in the field blank FB-03 at concentrations greater than the RLs. Therefore, the estimated sulfate concentration in sample MW-205 was U qualified as not detected at the RL, and the concentrations of TDS, chloride and sulfate that were less than ten times the blank contamination were J+ qualified as estimated with high biases in the associated samples.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-200	Chloride	15	NA	15	J+	3
MW-201	Chloride	25	NA	25	J+	3
EB-03	Chloride	59	NA	59	J+	3
MW-206	Chloride	88	NA	88	J+	3
MW-202	Chloride	110	NA	110	J+	3
MW-203	Chloride	110	NA	110	J+	3
MW-204	Chloride	310	NA	310	J+	3
MW-200	Sulfate	12	NA	12	J+	3
MW-201	Sulfate	71	NA	71	J+	3
EB-03	Sulfate	150	NA	150	J+	3
MW-206	Sulfate	1100	NA	1100	J+	3
MW-202	Sulfate	100	NA	100	J+	3
MW-203	Sulfate	120	NA	120	J+	3
MW-204	Sulfate	160	NA	160	J+	3
MW-205	Sulfate	7.1	I	25	U	3
MW-200	TDS	70	NA	70	J+	3
MW-201	TDS	170	NA	170	J+	3
EB-03	TDS	370	NA	370	J+	3
MW-206	TDS	580	NA	580	J+	3
MW-202	TDS	520	NA	520	J+	3
MW-203	TDS	480	NA	480	J+	3
MW-204	TDS	1000	NA	1000	J+	3

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
NA-not applicable

3.9 Field Duplicate

Six field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04, DUP-05 and DUP-06. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicates and the original samples, MW-307, MW-300, MW-308, MW-205, PZ-203D and GSA-2S, respectively, with the following exceptions.

400-242672-3: Sulfate was detected in field duplicate sample DUP-05 at a concentration greater than the RL and detected in parent sample PZ-203D at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the sulfate concentrations in samples DUP-05 and PZ-203D were J qualified as estimated.

400-242880-1: Chloride was detected in parent sample MW-307 at an estimated concentration greater than the MDL and less than the RL and not detected in field duplicate sample DUP-01, resulting in a noncalculable RPD. Therefore, the chloride concentration in sample MW-307 was J qualified as estimated, and the non-detect result of chloride in sample DUP-01 was UJ qualified as estimated less than the MDL.

400-243115-1: The RPD for TDS in the field duplicate pair DUP-02/MW-300 was greater than 30%. Therefore, the TDS concentrations in samples DUP-02 and MW-300 were J qualified as estimated.

400-243166-1: Sulfate was detected in parent sample MW-205 at an estimated concentration greater than the MDL and less than the RL and not detected in field duplicate sample DUP-04, resulting in a noncalculable RPD. Since the sulfate concentration in sample MW-205 was previously U qualified as not detected due to field blank contamination, no additional qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-05	Sulfate	7.4	NA	NC	7.4	J	7
PZ-203D	Sulfate	4.5	I		4.5	J	7
DUP-02	TDS	34	NA	43	34	J	7
MW-300	TDS	22	NA		22	J	7

mg/L-milligrams per liter
I-laboratory flag indicating estimated concentration greater than or equal to the MDL and less than the RL
NA-not applicable
NC-not calculable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

3.11 Electronic Data Deliverables Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	12 January 2024
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	Matthew Richardson
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-242672-4, 400-242673-4, 400-242880-2, 400-243115-2, 400-243116-2 and 400-243166-2**

SITE: Gulf Clean Energy Center

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-one aqueous samples, six field duplicates, three field blanks and three equipment blanks, collected 1, 6-7 and 12-13 September 2023, as part of the Gulf Clean Energy Center sampling event.

The samples were analyzed at Eurofins St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- United States Environmental Protection Agency (US EPA) Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- American Nuclear Society Verification and Validation of Radiological Data for Use in Management and Environmental Remediation, ANSI/ANS-41.5-2012, February 15, 2012.

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client Sample ID
400-242672-5	PZ-200S
400-242672-6	PZ-200D
400-242672-7	GSA-2S
400-242672-8	PZ-201D
400-242672-9	PZ-203D
400-242672-10	MW2032/GE-1D
400-242672-11	DUP-05
400-242672-12	DUP-06
400-242673-11	MW-200
400-242673-12	MW-201
400-242673-13	MW-206
400-242673-14	FB-03
400-242673-15	EB-03
400-242880-1	MW-100
400-242880-2	MW-101
400-242880-3	MW-107
400-242880-4	MW-108
400-242880-5	MW-306
400-242880-6	MW-307
400-242880-7	DUP-01
400-242880-8	EB-01
400-242880-9	FB-01

Laboratory ID	Client Sample ID
400-243115-1	MW-300
400-243115-2	MW-303
400-243115-3	MW-304
400-243115-4	MW-305
400-243115-5	MW-308
400-243115-6	DUP-03
400-243115-7	DUP-02
400-243116-1	MW-102
400-243116-2	MW-103
400-243116-3	MW-104
400-243116-4	MW-105
400-243116-5	MW-106
400-243116-6	MW-109
400-243116-7	MW-110
400-243116-8	EB-02
400-243116-9	FB-02
400-243166-1	MW-202
400-243166-2	MW-203
400-243166-3	MW-204
400-243166-4	MW-205
400-243166-5	DUP-04

No preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Tracers and Carriers
⊗ Field Blank

- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this sample set are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.1.2 Analysis Anomaly

Radium-226 and radium-228 were detected at concentrations less than the minimum detectable concentrations (MDCs) in samples MW-205; however, the combined radium 226 + 228 concentrations were indicated as being greater than the MDC. Since both radium-226 and radium-228 were less than the MDCs, radium 226 + 228 was calculated form the radium-226 and radium-228 concentrations and based on professional and technical judgment, the combined radium 226 + 228 concentration in sample MW-205 was U qualified as not detected at or above the MDC.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MW-205	Combined Radium 226 + 228	0.56	I	0.56	U	13

pCi/L-picocuries per liter
I-The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding time for the radium-226 and radium-228 analyses of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported for radium-226 (batches 628685, 628013, 626921, 627799, 627801 and 628013) and six method blanks were reported for

radium-228 (batches 628686, 628017, 626923, 627800, 627807 and 628017). The radiochemistry parameters were not detected in the method blanks above the MDCs.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

One batch MS/MSD pair was reported for radium-226 and one batch MS/MSD pair was reported for radium-228.

1.5 Laboratory Duplicate

Sample set specific laboratory duplicates were reported for radium-226 and radium-228 using sample MW-202. The replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

Four batch laboratory duplicates were reported for radium-226 and four batch laboratory duplicates were reported for radium-228.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs were reported for radium-226 and six LCSs were reported for radium-228. The recovery results were within the laboratory specified acceptance criteria.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

Three field blanks were collected with the sample set, FB-01, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs, with the following exceptions.

400-242880-2: Radium-228 (0.916 pCi/L) was detected in FB-01 at a concentration greater than the MDC. Therefore, the radium-228 concentrations in the associated samples greater than the MDC and less than ten times the field blank concentration were qualified as following:

- For radium-228 concentrations with a mean difference (MD) between 0 and 2 the concentration was UJ qualified as estimated less than the reported concentration.
- For radium-228 concentrations with a MD greater than 3, the concentration was J qualified as estimated.

- In addition, for samples that were qualified for radium-228 due to field blank contamination, the combined radium concentration was J qualified as estimated.

samples DUP-05, GSA-2S, MW2032/GE-1D, PZ-200S and PZ-201D were J+ qualified as estimated with high bias and the radium-228 concentration in sample PZ-200D was U qualified as not detected at the reported concentration. In addition, the combined radium concentrations in samples DUP-05, GSA-2S, MW2032/GE-1D, PZ-200S and PZ-201D were J+ qualified as estimated with high bias and the combined radium concentration in sample PZ-200D was U qualified as not detected at the reported concentration.9

400-242673-4: Radium-226 (1.07 pCi/L) and radium-228 (0.830 pCi/L) were detected in FB-03 at concentrations greater than the MDCs. Therefore, the radium-228 concentrations in the associated samples greater than the MDC and less than ten times the field blank concentration were qualified as following:

- For radium-226 and radium-228 concentrations with a MD between 0 and 2 the concentration was UJ qualified as estimated less than the reported concentration.
- For radium-226 and radium-228 concentrations with a MD greater than 3, the concentration was J qualified as estimated.
- Also, for samples that were qualified for J qualified for either radium-226 and radium-228 due to field blank contamination, the combined radium concentration was also J qualified as estimated.
- In addition, for samples that were qualified for UJ qualified for both radium-226 and radium-228 due to field blank contamination, the combined radium concentration was also UJ qualified as estimated less than the reported concentration.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
PZ-200S	Radium-226	8.14	NA	8.14	J	3
PZ-200S	Combined Radium 226 + 228	17.2	NA	17.2	J	3
PZ-200D	Radium-226	0.182	I	0.182	J	3
PZ-200D	Combined Radium 226 + 228	0.64	I	0.64	J	3
GSA-2S	Radium-226	0.835	I	0.835	UJ	3
GSA-2S	Radium-228	2.05	NA	2.05	UJ	3
GSA-2S	Combined Radium 226 + 228	2.89	I	2.89	UJ	3
MW2032/GE-1D	Radium-226	0.368	I	0.368	J	3
MW2032/GE-1D	Radium-228	1.88	NA	1.88	UJ	3
MW2032/GE-1D	Combined Radium 226 + 228	2.25	I	2.25	J	3

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
DUP-06	Radium-226	0.931	I	0.931	UJ	3
DUP-06	Radium-228	2.22	NA	2.22	UJ	3
DUP-06	Combined Radium 226 + 228	3.15	I	3.15	UJ	3
MW-200	Radium-226	0.317	I	0.317	J	3
MW-200	Combined Radium 226 + 228	0.997	I	0.997	J	3
MW-201	Radium-226	0.621	I	0.621	UJ	3
MW-201	Radium-228	2.03	NA	2.03	UJ	3
MW-201	Combined Radium 226 + 228	2.65	I	2.65	UJ	3
MW-206	Radium-226	1.17	NA	1.17	UJ	3
MW-206	Radium-228	7.97	NA	7.97	J	3
MW-206	Combined Radium 226 + 228	9.15	NA	9.15	J	3
EB-03	Radium-226	1.42	NA	1.42	UJ	3
EB-03	Radium-228	1.06	NA	1.06	UJ	3
EB-03	Combined Radium 226 + 228	2.48	I	2.48	UJ	3
MW-100	Radium-228	0.937	I	0.937	UJ	3
MW-100	Combined Radium 226 + 228	1.33	I	1.33	J	3
MW-101	Radium-228	1.03	NA	1.03	UJ	3
MW-101	Combined Radium 226 + 228	1.21	I	1.21	J	3
MW-107	Radium-228	1.14	NA	1.14	UJ	3
MW-107	Combined Radium 226 + 228	1.49	I	1.49	J	3
MW-108	Radium-228	2.63	NA	2.63	J	3
MW-108	Combined Radium 226 + 228	3.12	I	3.12	J	3
MW-306	Radium-228	0.932	I	0.932	UJ	3
MW-306	Combined Radium 226 + 228	1.22	I	1.22	J	3
MW-307	Radium-228	0.707	I	0.707	UJ	3
MW-307	Combined Radium 226 + 228	1.12	I	1.12	J	3
DUP-01	Radium-228	0.583	I	0.583	UJ	3
DUP-01	Combined Radium 226 + 228	0.865	I	0.865	J	3
MW-300	Radium-228	4.1	NA	4.1	J	3
MW-300	Combined Radium 226 + 228	4.71	I	4.71	J	3
MW-304	Radium-228	1.6	NA	1.6	J	3
MW-304	Combined Radium 226 + 228	2.15	I	2.15	J	3

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
MW-305	Radium-228	7.56	NA	7.56	UJ	3
MW-305	Combined Radium 226 + 228	10.6	NA	10.6	J	3
DUP-02	Radium-228	3.99	NA	3.99	J	3
DUP-02	Combined Radium 226 + 228	4.35	I	4.35	J	3
MW-103	Radium-228	3.75	NA	3.75	J	3
MW-103	Combined Radium 226 + 228	4.92	I	4.92	J	3
MW-109	Radium-228	2.46	NA	2.46	J	3
MW-109	Combined Radium 226 + 228	3.57	I	3.57	J	3
MW-110	Radium-228	4.91	NA	4.91	J	3
MW-110	Combined Radium 226 + 228	6.31	NA	6.31	J	3
MW-202	Radium-226	2.21	NA	2.21	J	3
MW-202	Radium-228	2.91	NA	2.91	J	3
MW-202	Combined Radium 226 + 228	5.12	NA	5.12	J	3
MW-203	Radium-226	2.07	NA	2.07	J	3
MW-203	Radium-228	4.7	NA	4.7	J	3
MW-203	Combined Radium 226 + 228	6.77	NA	6.77	J	3
MW-204	Radium-226	1.78	NA	1.78	UJ	3
MW-204	Radium-228	2.23	NA	2.23	J	3
MW-204	Combined Radium 226 + 228	4.01	I	4.01	J	3

pCi/L-picocuries per liter
I-The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
NA-not applicable

1.9 Equipment Blank

Three equipment blanks were collected with the sample set, EB-01, EB-02 and EB-03. The radiochemistry parameters were not detected in the equipment blanks above the MDCs, with the following exception.

400-242673-4: Radium-226 (1.42 pCi/L) and radium-228 (1.06 pCi/L) were detected in EB-03 at concentrations greater than the MDCs. Since the radium-226 and radium-228 concentrations for EM-03 were UJ qualified due to field blank contamination and based on professional and technical judgment, no qualifications were applied to the data.

1.10 Field Duplicate

Six field duplicates were collected with the sample set, DUP-01, DUP-02, DUP-03, DUP-04, DUP-05 and DUP-06. Acceptable precision (RER≤ 3) was demonstrated between the field duplicates and the original samples, MW-307, MW-300, MW-308, MW-205, PZ-203D and GSA-2S, respectively.

1.11 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

N There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

APPENDIX B

Statistical Analyses – April 2023
Semi-Annual Monitoring

APRIL 2023
GROUNDWATER
STATISTICAL ANALYSIS

GULF CLEAN ENERGY CENTER

Prepared by:

Groundwater Stats Consulting LLC

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GROUNDWATER STATS CONSULTING

September 27, 2023

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Gulf Clean Energy Center
Statistical Analysis – April 2023 Analysis & Background Update

Dear Mr. Amos,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and statistical analysis of the groundwater data for the April 2023 sample event at Gulf Clean Energy Center. 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 Gulf Clean Energy Center for the CCR program in 2016 at each of the groundwater monitoring wells. The monitoring well network for the Gypsum Storage Area originally included wells MW-202, MW-203, MW-204 and MW-205. However, further research conducted by Geosyntec Consultants, reportedly, concluded that the location of these compliance wells did not represent the zone of groundwater quality downgradient of the site; therefore, these wells would not identify whether groundwater was affected from practices at the site. As a result, these wells are not included in the statistical analysis provided in this report. The monitoring well network, as provided by Geosyntec Consultants, consists of the following wells:

- **Upgradient wells:** MW-100, MW-101, MW-107, MW-108, MW-306, and MW-307
- **Ash Landfill No. 1 (100 Series):** MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, and MW-110
- **Gypsum Storage Area (200 Series):** MW-200, MW-201, and MW-206

- **Ash Landfill No. 2 (300 Series):** MW-300, MW-303, MW-304, MW-305, and MW-308

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The CCR program consists of the following constituents listed below. The terms "constituent" and "parameter" are interchangeable.

- **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

Time series graphs and box plots for Appendix III and IV parameters at the 100, 200, and 300 series wells are provided for these wells for the above constituents. 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. For each of the well series, the time series and box plots include the upgradient wells for comparison to groundwater quality in the region unrelated to the facility.

Note that due to matrix interference and dilution differences, varying reporting limits were observed during the previous analysis; therefore, the most recent reporting limits of 0.1 mg/L for fluoride, 0.005 mg/L for lithium, and 0.0013 mg/L for selenium were substituted for all non-detects across all wells.

Proposed background data at all wells were initially evaluated in October 2017 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. A summary of those findings, along with the summary of the current background update is provided below.

Power curves were provided during the initial screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3

standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

CCR Appendix III Constituents:

Ash Landfill No. 1 (100 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 7

Gypsum Storage Area (200 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 3

Ash Landfill No. 2 (300 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 5

The number of constituents and downgradient wells affects both the power curves and the table value (kappa) that enter into the computation of parametric prediction limits whenever a resampling scheme is used. Thus, parametric interwell limits, which are constructed using pooled upgradient well data, for a given constituent may differ slightly across the well series, even though the background data are the same.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available

background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits as appropriate. Non-detects are handled as follows:

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

To account for varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects except in the cases discussed earlier where historical reporting limits were substituted due to laboratory matrix interference. Substitution of the most recent reporting limit is done on an individual well basis for intrawell prediction limits and confidence intervals; therefore, the reporting limit for a given constituent may vary from well to well. 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.

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 may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In the interwell case, prediction limits are updated with upgradient well data following each sampling event after careful screening for any new outliers. 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. Background data were initially screened for outliers, trends, and appropriate statistical methodology in October of 2017, and prediction limits were updated in March of 2020. Summaries of those results are presented below.

Summary of October 2017 Background Screening

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the October 2017 report. These values maybe also be seen on the time series graphs as disconnected points and on the data pages in a lighter font.

Seasonality

No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be visually identified, 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, which were presented with the screening report, showed a few statistically significant trends. All trends noted were relatively low in magnitude when compared to average concentrations. Therefore, no adjustments were necessary at that time.

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 Gulf Clean Energy Center for the following Appendix III parameters: calcium, chloride, pH, and sulfate. No statistically significant variation was noted for boron, fluoride, or TDS, making these constituents eligible for interwell analyses. All other constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality.

Appendix III – Intrawell Method Eligibility Screening

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate that downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits were used in conjunction with confidence intervals to determine whether the estimated averages in

downgradient wells are higher than observed levels upgradient of the facility. The upper tolerance limits were constructed to represent the extreme upper range of potential background levels at the site.

Either parametric or nonparametric tolerance limits were calculated based on the data characteristics that were described above for prediction limits. Parametric tolerance limits (for normal or transformed-normally distributed data) were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters recommended for intrawell analyses. For data sets with non-normal distributions, nonparametric tolerance limits were used. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented, and the confidence and coverage levels increase.

Confidence intervals were constructed on downgradient wells for each of the Appendix III parameters exhibiting spatial variation, using the tolerance limits discussed above, to determine intrawell eligibility. Either parametric or nonparametric confidence intervals were constructed as appropriate. When the entire confidence interval is above the background limit for a given parameter, interwell methods are initially recommended as the statistical method. Note that this screening identifies whether confidence intervals are above a background limit but does not identify the reason for this occurrence. Therefore, only the wells/parameters with confidence intervals which did not exceed background limits are eligible for intrawell prediction limits.

Confidence intervals for Appendix III parameters were found to be above the background standards in at least one well for each parameter at Ash Landfill No. 1; therefore, interwell prediction limits were recommended for all Appendix III parameters at this unit. Confidence intervals were above background standards for all parameters except pH at the Gypsum Storage Area and Ash Landfill No. 2. Therefore, intrawell methods were recommended for pH and interwell methods were recommended for all other Appendix III parameters at these two units. The results of the upper tolerance limits calculations and confidence interval comparisons were presented in the background screening report.

If further evaluation confirms natural variation in groundwater at these downgradient wells, intrawell methods will be considered for these parameters. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting. When there

is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits are initially selected for the statistical method until further evidence shows that the higher downgradient concentrations are due to spatial variation rather than a result of the facility.

Summary of Appendix III Background Update Summary – Conducted in August 2023

Statistical limits were last updated in March 2020 and a summary of the background update was submitted at that time. During this analysis, all data were screened as described below for the purpose of updating statistical limits with more recent data in order to provide statistical limits that are conservative from a regulatory perspective and representative of present-day groundwater quality conditions.

Outlier Analysis

Prior to performing prediction limits, proposed background data through September 2022 were reviewed to identify any newly suspected outliers at all wells for pH for intrawell testing, and through April 2023 at upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate, and TDS for interwell testing. Visual screening was used to identify potential outliers using time series graphs and when necessary, Tukey's outlier test was used to formally test suspected outliers.

Tukey's outlier test identified suspected outliers for boron, calcium, chloride, pH, and TDS among pooled upgradient well data along with pH at downgradient well MW-305. The previously flagged highest value for pH among upgradient well MW-108 was confirmed as an outlier and the three highest values for pH at MW-307 were flagged during this analysis. Additionally, the lowest value for pH at MW-305 was also flagged as an outlier. Any values identified by Tukey's test but that were not flagged were not drastically different from existing concentrations.

Previously flagged values were confirmed by Tukey's test and visual screening, and these measurements remained excluded from statistical limits to reduce variation, better represent background conditions, and provide limits that are conservative 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. A complete list of flagged values follows this letter.

Mann-Whitney Evaluation - Intrawell

For pH, which is analyzed using intrawell prediction limits at each of the 200 and 300 series wells, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through March 2019 to more recent compliance samples through September 2022 to evaluate whether the groups are statistically similar at the 99% confidence level. Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless updating results in the same or more conservative limits, or it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. Statistically significant differences were found between the two groups for pH at the Gypsum Storage Area for the following well/constituent pairs:

200 Series:

- pH: MW-201, MW-206, and MW-307 (upgradient)

300 Series:

- pH: MW-307 (upgradient)

For pH at upgradient well MW-307, while the Mann-Whitney indicated a statistically significant decrease in medians, the three highest measurements that occurred earlier in the record were flagged as outliers as discussed earlier. No further adjustment was required and this record was updated through September 2022 as remaining measurements are similar throughout the record and represent groundwater quality upgradient of the facility. For pH at downgradient wells MW-201 and MW-206, which were identified to have a statistically significant decrease and increase in concentrations, respectively, the earlier portion of each record was truncated in order to remove the influence of the trend to construct statistical limits that are representative of present-day groundwater quality conditions.

All other background data sets for well/constituent pairs using intrawell prediction limits were updated through September 2022, and all records will be re-evaluated during the next background update.

Trend Test Evaluation - Interwell

The Sen's Slope/Mann Kendall trend test was used to evaluate the entire record of data from upgradient wells for parameters utilizing interwell prediction limits. When statistically significant trends are identified in upgradient wells, the earlier portion of data is deselected prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative from a regulatory perspective. Statistically significant increasing and decreasing trends were identified; however, the magnitudes of the trends were low relative to average concentrations, and no adjustments to the records were required.

Statistical Analysis of Appendix III Parameters – April 2023

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, using background data through September 2022, are used to evaluate the April 2023 samples for pH at the Gypsum Storage Area and at Landfill No. 2 due to spatial variation for this parameter. However, only the 200 and 300 series wells were eligible for intrawell testing for pH, as discussed earlier. The 100 series wells are evaluated using interwell prediction limits for all constituents.

Interwell prediction limits, which compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data, are updated during each sample event after screening for new outliers in upgradient wells. Data from upgradient wells are periodically also re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend. All available upgradient well data through April 2023 were used to establish interwell prediction limits, based on a 1-of-2 resample plan, for all Appendix III parameters except pH at the 200 and 300 series wells which is tested using intrawell prediction limits.

Complete tabular and graphical results for both intrawell and interwell prediction limits are presented following this letter. Exceedances were noted for each of the units and are listed in summary tables for intrawell and interwell prediction limits.

Trend Test Evaluation – Appendix III

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of an 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; therefore, no further action is necessary.

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. Several statistically increasing and decreasing trends were noted among upgradient and downgradient wells. Complete tabular and graphical results of the trend tests follow this letter.

Evaluation of Appendix IV Parameters – April 2023

Prior to evaluating Appendix IV parameters, upgradient well data are screened through visual screening and Tukey's outlier test for potential outliers and extreme trending patterns that would lead to artificially elevated statistical limits. Tukey's outlier test identified potential outliers among pooled upgradient well data for barium and combined radium 226 + 228. Since these values were not drastically higher than existing concentrations upgradient of the facility and were less than the maximum containment level (MCL), no outliers were flagged.

High outliers are also 'cautiously' flagged in the downgradient wells when they are distinctly different from the rest of the data. This is intended to be a regulatory conservative approach in that it will reduce the variance and thus reduce the width of parametric confidence intervals, although it will also reduce the mean and thus lower the entire interval. The intent is to better represent the actual downgradient mean. Flagging high outliers should have no effect on the lower limit of nonparametric confidence intervals. No new outliers were flagged for Appendix IV parameters during this analysis. A complete list of outliers follows this report.

Interwell Upper Tolerance Limits

Interwell upper tolerance limits, as appropriate, were used to calculate background limits from pooled upgradient well data for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution as does combined radium

226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

Interwell upper tolerance limits were compared to the Maximum Contaminant Levels (MCLs) and CCR rule-specified levels to determine the highest limit for use as the groundwater protection standards (GWPS) in the Confidence Interval comparisons, as described below. A table of the GWPS follows this report.

Confidence Intervals

Confidence intervals were then constructed on downgradient wells, using all historical data within a given well, for each of the Appendix IV parameters and compared to the highest limit of either the MCL or rule-specified level as discussed above. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the largest and smallest order statistics depending on the sample size as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned above, well/constituent pairs containing 100% non-detect values do not require statistical analysis and a list of Appendix IV downgradient wells containing 100% non-detects follows this report. For cobalt in well MW-304, samples prior to June 2018 have been deselected to use, at a minimum, the most recent 8 samples in constructing the confidence interval rather than the entire data set in order to reflect present-day concentrations. The historical data for this constituent had higher concentrations due to a broken pipe that influenced groundwater quality at this well. Concentrations, as expected, have continued to decrease since the pipe was fixed.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Tables of the upper tolerance limits, GWPS, and confidence intervals, along with graphical comparisons against standards, and significant results (exceedances) follow this letter. The following confidence interval exceedances were noted:

100 Series Wells:

- Cobalt: MW-104 and MW-110
- Combined Radium 226 + 228: MW-104 and MW-110
- Mercury: MW-110

200 Series Wells:

- Combined Radium 226 + 228: MW-200, MW-201, and MW-206

300 Series Wells:

- Cobalt: MW-304
- Combined Radium 226 + 228: MW-303
- Molybdenum: MW-303

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Gulf Clean Energy Center. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects - 100 Series

Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110

Arsenic (mg/L)
MW-106

Beryllium (mg/L)
MW-103, MW-105, MW-106

Cadmium (mg/L)
MW-102, MW-103, MW-105, MW-106

Fluoride (mg/L)
MW-102, MW-106

Mercury (mg/L)
MW-105

Molybdenum (mg/L)
MW-104, MW-110

Thallium (mg/L)
MW-106

100% Non-Detects - 200 Series

Analysis Run 8/24/2023 9:46 AM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-200

Chromium (mg/L)
MW-200

100% Non-Detects - 300 Series

Analysis Run 8/24/2023 12:14 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-300, MW-303, MW-304, MW-305, MW-308

Arsenic (mg/L)
MW-300

Beryllium (mg/L)
MW-300, MW-304, MW-308

Lead (mg/L)
MW-308

Mercury (mg/L)
MW-303

Molybdenum (mg/L)
MW-300

Thallium (mg/L)
MW-300, MW-305

Date Ranges

Date: 8/28/2023 11:47 AM

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Cobalt (mg/L)

MW-304 overall:6/7/2018-4/10/2023

Field pH (SU)

MW-201 background:3/16/2017-9/16/2022

MW-206 background:10/17/2018-9/16/2022

Outlier Summary - 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 2:30 PM

	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-100 Sulfate (mg/L)
3/1/2016			6.37 (o)		
5/2/2016					15 (o)
7/5/2016		7.11 (o)	6.29 (o)		
9/6/2016			6.42 (o)		
11/7/2016				0.0097 (o)	
1/9/2017	0.017 (o)				

Outlier Summary - 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:35 PM

	MW-200 Cadmium (mg/L)	MW-206 Chloride (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-100 Sulfate (mg/L)	MW-206 Total Dissolved Solids (mg/L)
3/1/2016					6.37 (o)			
3/2/2016	0.022 (o)							32000 (o)
5/2/2016							15 (o)	
7/5/2016		360 (o)		7.11 (o)	6.29 (o)			
9/6/2016					6.42 (o)			
11/7/2016						0.0097 (o)		
1/9/2017			0.017 (o)					

Outlier Summary - 300 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:41 AM

	MW-304 Arsenic (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-305 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-304 Selenium (mg/L)	MW-100 Sulfate (mg/L)
3/1/2016					6.37 (o)			
3/3/2016	0.009 (o)							
5/2/2016								15 (o)
5/4/2016	0.019 (o)							
7/5/2016			7.11 (o)		6.29 (o)			
7/6/2016	0.014 (o)							
9/6/2016					6.42 (o)			
11/7/2016						0.0097 (o)		
1/9/2017		0.017 (o)						
10/17/2018							0.05 (o)	
9/16/2022				3.8 (o)				

Welch's t-test/Mann-Whitney - 200 Series - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:42 PM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	**MW-201**	**-3.004**	**Yes**	**Mann-W**
Field pH (SU)	**MW-206**	**3.517**	**Yes**	**Mann-W**
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Welch's t-test/Mann-Whitney - 200 Series - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:42 PM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	MW-100 (bg)	-0.3262	No	Mann-W
Field pH (SU)	MW-101 (bg)	0.4348	No	Mann-W
Field pH (SU)	MW-107 (bg)	0.6162	No	Mann-W
Field pH (SU)	MW-108 (bg)	0.6568	No	Mann-W
Field pH (SU)	MW-200	2.013	No	Mann-W
Field pH (SU)	**MW-201**	**-3.004**	**Yes**	**Mann-W**
Field pH (SU)	**MW-206**	**3.517**	**Yes**	**Mann-W**
Field pH (SU)	MW-306 (bg)	-0.03627	No	Mann-W
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Welch's t-test/Mann-Whitney - 300 Series - Significant Result

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:45 AM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Welch's t-test/Mann-Whitney - 300 Series - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:46 AM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	MW-100 (bg)	-0.3262	No	Mann-W
Field pH (SU)	MW-101 (bg)	0.4348	No	Mann-W
Field pH (SU)	MW-107 (bg)	0.6162	No	Mann-W
Field pH (SU)	MW-108 (bg)	0.6568	No	Mann-W
Field pH (SU)	MW-300	-1.605	No	Mann-W
Field pH (SU)	MW-303	0.6833	No	Mann-W
Field pH (SU)	MW-304	0.6146	No	Mann-W
Field pH (SU)	MW-305	-0.5603	No	Mann-W
Field pH (SU)	MW-306 (bg)	-0.03627	No	Mann-W
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**
Field pH (SU)	MW-308	2.253	No	Mann-W

Upgradient Wells Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upgradient Wells Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Appendix III - 100 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:16 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-103	0.081	n/a	4/10/2023	0.58	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	4/7/2023	13	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	4/7/2023	1.4	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	4/10/2023	0.16	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	4/10/2023	4.5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.579	n/a	4/10/2023	4.5	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.579	n/a	4/7/2023	93	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.579	n/a	4/7/2023	66	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.579	n/a	4/10/2023	3.7	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.579	n/a	4/10/2023	22	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	7.043	n/a	4/7/2023	120	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	7.043	n/a	4/7/2023	32	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	7.043	n/a	4/10/2023	8.2	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	7.043	n/a	4/10/2023	71	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	5.98	4.5	4/7/2023	4.1	Yes	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-105	5.98	4.5	4/7/2023	6.32	Yes	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	4/7/2023	0.31	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5.5	n/a	4/10/2023	34	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5.5	n/a	4/7/2023	780	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5.5	n/a	4/7/2023	110	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5.5	n/a	4/10/2023	15	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5.5	n/a	4/10/2023	180	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	4/7/2023	1100	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	4/7/2023	320	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	4/10/2023	540	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2

Appendix III - 100 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:16 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-102	0.081	n/a	4/10/2023	0.015J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**4/10/2023**	**0.58**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**4/7/2023**	**13**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**4/7/2023**	**1.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	4/7/2023	0.019J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**4/10/2023**	**0.16**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**4/10/2023**	**4.5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.579	n/a	4/10/2023	0.46	No	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.579**	**n/a**	**4/10/2023**	**4.5**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.579**	**n/a**	**4/7/2023**	**93**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.579**	**n/a**	**4/7/2023**	**66**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.579	n/a	4/7/2023	0.48	No	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.579**	**n/a**	**4/10/2023**	**3.7**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.579**	**n/a**	**4/10/2023**	**22**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	7.043	n/a	4/10/2023	3.9	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	7.043	n/a	4/10/2023	6.3	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-104**	**7.043**	**n/a**	**4/7/2023**	**120**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**7.043**	**n/a**	**4/7/2023**	**32**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	7.043	n/a	4/7/2023	2.8	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**7.043**	**n/a**	**4/10/2023**	**8.2**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**7.043**	**n/a**	**4/10/2023**	**71**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	5.98	4.5	4/10/2023	4.71	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	5.98	4.5	4/10/2023	4.92	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**5.98**	**4.5**	**4/7/2023**	**4.1**	**Yes**	**128**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002415**	**NP Inter (normality) 1 of 2**
Field pH (SU)	**MW-105**	**5.98**	**4.5**	**4/7/2023**	**6.32**	**Yes**	**128**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002415**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-106	5.98	4.5	4/7/2023	4.94	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	5.98	4.5	4/10/2023	4.87	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	5.98	4.5	4/10/2023	4.72	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**4/7/2023**	**0.31**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	4/7/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	4/7/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5.5	n/a	4/10/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5.5**	**n/a**	**4/10/2023**	**34**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5.5**	**n/a**	**4/7/2023**	**780**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5.5**	**n/a**	**4/7/2023**	**110**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5.5	n/a	4/7/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5.5**	**n/a**	**4/10/2023**	**15**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5.5**	**n/a**	**4/10/2023**	**180**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	4/10/2023	14	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	4/10/2023	100	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**4/7/2023**	**1100**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**4/7/2023**	**320**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	4/7/2023	26	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	4/10/2023	82	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**4/10/2023**	**540**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - Significant Result

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.153	4.545	4/6/2023	4.8	No	21	4.849	0.1617	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.367	4.579	4/6/2023	4.79	No	21	4.973	0.2096	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.285	4.55	4/6/2023	4.88	No	21	4.918	0.1953	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.086	4.504	4/6/2023	4.8	No	20	4.795	0.1537	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.359	4.729	4/11/2023	4.86	No	22	5.044	0.1687	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.089	4.486	4/11/2023	4.94	No	16	4.788	0.1528	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	5.305	4.165	4/11/2023	5.26	No	10	4.735	0.2547	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.332	4.709	4/7/2023	4.9	No	21	5.02	0.1655	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:27 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-200**	**0.081**	**n/a**	**4/11/2023**	**2.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/11/2023**	**4.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/11/2023**	**12**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.446**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.446**	**n/a**	**4/11/2023**	**78**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.446**	**n/a**	**4/11/2023**	**160**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.847**	**n/a**	**4/11/2023**	**86**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.847**	**n/a**	**4/11/2023**	**96**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.847**	**n/a**	**4/11/2023**	**250**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/11/2023**	**0.15**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**4/11/2023**	**130**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**4/11/2023**	**140**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/11/2023**	**890**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:27 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-200**	**0.081**	**n/a**	**4/11/2023**	**2.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/11/2023**	**4.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/11/2023**	**12**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.446**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.446**	**n/a**	**4/11/2023**	**78**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.446**	**n/a**	**4/11/2023**	**160**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.847**	**n/a**	**4/11/2023**	**86**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.847**	**n/a**	**4/11/2023**	**96**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.847**	**n/a**	**4/11/2023**	**250**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	4/11/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.000114	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/11/2023**	**0.15**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	4/11/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.000114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**4/11/2023**	**130**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**4/11/2023**	**140**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-206	5.5	n/a	4/11/2023	12J	No	131	n/a	n/a	75.57	n/a	n/a	0.0001157	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/11/2023**	**890**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**

Appendix III - Intrawell Prediction Limits - 300 Series Wells - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**4/10/2023**	**4.11**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III - Intrawell Prediction Limits - 300 Series Wells - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.179	4.518	4/6/2023	4.8	No	21	4.849	0.1617	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.401	4.544	4/6/2023	4.79	No	21	4.973	0.2096	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.317	4.518	4/6/2023	4.88	No	21	4.918	0.1953	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.111	4.479	4/6/2023	4.8	No	20	4.795	0.1537	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.086	4.364	4/10/2023	4.57	No	22	4.725	0.1777	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.064	6.094	4/11/2023	6.5	No	22	6.579	0.2388	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.439	4.633	4/10/2023	5.97	No	22	5.536	0.4447	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**4/10/2023**	**4.11**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.359	4.682	4/7/2023	4.9	No	21	5.02	0.1655	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-308	7.012	5.586	4/11/2023	6.79	No	22	6.299	0.3511	0	None	No	0.000752	Param Intra 1 of 2

Appendix III - Interwell Prediction Limits - 300 Series Wells - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:37 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-303	0.081	n/a	4/11/2023	5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	4/10/2023	3.8	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	4/11/2023	4.5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.529	n/a	4/11/2023	73	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.529	n/a	4/10/2023	230	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-305	1.529	n/a	4/10/2023	7.5	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.529	n/a	4/11/2023	75	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.972	n/a	4/11/2023	29	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.972	n/a	4/10/2023	82	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.972	n/a	4/11/2023	20	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	4/11/2023	0.19	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	4/10/2023	0.81	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	4/11/2023	0.17	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5.5	n/a	4/11/2023	180	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5.5	n/a	4/10/2023	610	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5.5	n/a	4/10/2023	74	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5.5	n/a	4/11/2023	110	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	4/11/2023	440	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	4/10/2023	1400	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-305	110	n/a	4/10/2023	150	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	4/11/2023	480	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - 300 Series Wells - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:37 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-300	0.081	n/a	4/10/2023	0.042J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**4/11/2023**	**5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**4/10/2023**	**3.8**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	4/10/2023	0.059	No	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**4/11/2023**	**4.5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.529	n/a	4/10/2023	0.57	No	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.529**	**n/a**	**4/11/2023**	**73**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.529**	**n/a**	**4/10/2023**	**230**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.529**	**n/a**	**4/10/2023**	**7.5**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.529**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-300	6.972	n/a	4/10/2023	6.1	No	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	**MW-303**	**6.972**	**n/a**	**4/11/2023**	**29**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.972**	**n/a**	**4/10/2023**	**82**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-305	6.972	n/a	4/10/2023	6.4	No	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	**MW-308**	**6.972**	**n/a**	**4/11/2023**	**20**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**4/11/2023**	**0.19**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**4/10/2023**	**0.81**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**4/11/2023**	**0.17**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5.5	n/a	4/10/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**4/11/2023**	**180**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**4/10/2023**	**610**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**4/10/2023**	**74**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**4/11/2023**	**110**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	4/10/2023	24	No	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**4/11/2023**	**440**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**4/10/2023**	**1400**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**4/10/2023**	**150**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**4/11/2023**	**480**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**

Appendix III - 100 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.0563**	**119**	**92**	**Yes**	**22**	**18.18**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-104**	**4.874**	**139**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4195**	**158**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.031**	**142**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-105**	**0.05361**	**132**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1232**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 100 Series - Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.01718	-42	-98	No	23	13.04	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.2072	36	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.007256	4	98	No	23	8.696	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.0563**	**119**	**92**	**Yes**	**22**	**18.18**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.17	87	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-103	-0.1147	-79	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-104**	**4.874**	**139**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-105	0.1862	11	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4195**	**158**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	0.2944	15	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-104	0	4	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	-2.31	-69	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.031**	**142**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	-1.365	-17	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01199	49	98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-105**	**0.05361**	**132**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1232**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.01396	-40	-98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.482	-89	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	35.32	64	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	0.4083	5	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-109	1.08	54	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	5.305	46	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	34.37	28	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	-6.51	-28	-98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	15.17	35	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Appendix III - 200 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-5.275**	**-196**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.627**	**-162**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-13.57**	**-221**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-133.9**	**-201**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-95.58**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-389.1**	**-240**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-226.9**	**-171**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-179.8**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-791.6**	**-217**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-46.15**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-61.71**	**-168**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-738.7**	**-205**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-531.3**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1886**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 200 Series - Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-5.275**	**-196**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.627**	**-162**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-13.57**	**-221**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-133.9**	**-201**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-95.58**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-389.1**	**-240**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-226.9**	**-171**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-179.8**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-791.6**	**-217**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.07496	-92	-98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-46.15**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-61.71**	**-168**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-738.7**	**-205**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-531.3**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1886**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Appendix III - 300 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.01615**	**109**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-20.47**	**-135**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-305**	**7.543**	**108**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 300 Series - Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.07766	28	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2751	89	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.2881	-60	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	2.97	64	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	5.863	49	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-305	0.04267	31	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-1.49	-45	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-303	-1.867	-27	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-4.256	-33	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-308	0	-2	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-305	-0.04509	-79	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-303	0.01931	72	98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-305	0	42	92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.01615**	**109**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-303	0	9	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	12.11	26	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-305	0	52	92	No	22	63.64	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-20.47**	**-135**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	6.829	19	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	22.39	34	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-305**	**7.543**	**108**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-14.71	-63	-98	No	23	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/16/2023, 4:03 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0025	n/a	n/a	n/a	n/a	114	100	n/a	0.002887	NP Inter(NDs)
Arsenic (mg/L)	0.0013	n/a	n/a	n/a	n/a	126	83.33	n/a	0.00156	NP Inter(NDs)
Barium (mg/L)	0.023	n/a	n/a	n/a	n/a	126	0	n/a	0.00156	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a	126	90.48	n/a	0.00156	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a	126	100	n/a	0.00156	NP Inter(NDs)
Chromium (mg/L)	0.0088	n/a	n/a	n/a	n/a	125	83.2	n/a	0.001642	NP Inter(NDs)
Cobalt (mg/L)	0.0032	n/a	n/a	n/a	n/a	126	37.3	n/a	0.00156	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	2.764	n/a	n/a	n/a	n/a	126	2.381	ln(x)	0.05	Inter
Fluoride (mg/L)	0.12	n/a	n/a	n/a	n/a	132	94.7	n/a	0.001147	NP Inter(NDs)
Lead (mg/L)	0.0013	n/a	n/a	n/a	n/a	126	94.44	n/a	0.00156	NP Inter(NDs)
Lithium (mg/L)	0.0054	n/a	n/a	n/a	n/a	125	71.2	n/a	0.001642	NP Inter(normality)
Mercury (mg/L)	0.00025	n/a	n/a	n/a	n/a	126	95.24	n/a	0.00156	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a	126	94.44	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.0034	n/a	n/a	n/a	n/a	126	80.16	n/a	0.00156	NP Inter(NDs)
Thallium (mg/L)	0.0005	n/a	n/a	n/a	n/a	126	99.21	n/a	0.00156	NP Inter(NDs)

GULF CLEAN ENERGY CENTER GWPS				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0025	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.023	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0088	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.76	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0054	0.04
Mercury, Total (mg/L)	0.002		0.00025	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0034	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Appendix IV - 100 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02209**	**0.01572**	**0.006**	**n/a**	**Yes**	**21**	**0.0189**	**0.00577**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-110**	**0.01389**	**0.006832**	**0.006**	**n/a**	**Yes**	**21**	**0.01036**	**0.006399**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.19**	**13.68**	**5**	**n/a**	**Yes**	**21**	**15.93**	**4.096**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.944**	**5.47**	**5**	**n/a**	**Yes**	**21**	**6.207**	**1.336**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.005512**	**0.003454**	**0.002**	**n/a**	**Yes**	**21**	**0.004483**	**0.001866**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	n/a	No	21	0.001262	0.0001746	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	n/a	No	21	0.001248	0.0003492	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.006858	0.002853	0.01	n/a	No	21	0.004855	0.00363	4.762	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.0048	0.0036	0.01	n/a	No	21	0.00469	0.001669	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-109	0.0013	0.0011	0.01	n/a	No	21	0.001201	0.0002838	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00051	0.01	n/a	No	21	0.0009762	0.0004374	61.9	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.012	0.0086	2	n/a	No	21	0.01107	0.004579	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.05543	0.03714	2	n/a	No	21	0.04629	0.01657	0	None	No	0.01	Param.
Barium (mg/L)	MW-104	0.02641	0.02102	2	n/a	No	21	0.02371	0.00488	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04459	0.0337	2	n/a	No	21	0.03914	0.009866	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.01186	0.01006	2	n/a	No	21	0.01105	0.001787	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-109	0.02262	0.01827	2	n/a	No	21	0.02057	0.004142	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-110	0.04313	0.03163	2	n/a	No	21	0.03738	0.01043	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	n/a	No	21	0.002386	0.0005215	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001172	0.0008295	0.004	n/a	No	21	0.001001	0.0003108	14.29	None	No	0.01	Param.
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	n/a	No	21	0.002383	0.0005359	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	n/a	No	21	0.002272	0.0007198	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00049	0.005	n/a	No	21	0.001558	0.001016	52.38	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	n/a	No	21	0.002385	0.0005285	95.24	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	n/a	No	21	0.002282	0.0006881	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.0012	0.1	n/a	No	21	0.002532	0.001018	80.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.003	0.0011	0.1	n/a	No	21	0.002673	0.00171	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.002007	0.001336	0.1	n/a	No	21	0.002133	0.0005219	28.57	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MW-105	0.002471	0.001813	0.1	n/a	No	21	0.002142	0.0005963	4.762	None	No	0.01	Param.
Chromium (mg/L)	MW-106	0.0044	0.0019	0.1	n/a	No	21	0.002562	0.000441	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0061	0.0025	0.1	n/a	No	21	0.003314	0.003011	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	n/a	No	21	0.002258	0.0006449	80.95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00088	0.006	n/a	No	21	0.002203	0.0007551	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00044	0.006	n/a	No	21	0.001815	0.001006	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02209**	**0.01572**	**0.006**	**n/a**	**Yes**	**21**	**0.0189**	**0.00577**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	n/a	No	21	0.00221	0.0007368	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00045	0.006	n/a	No	21	0.001222	0.0009398	33.33	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.007479	0.004106	0.006	n/a	No	21	0.005793	0.003057	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-110**	**0.01389**	**0.006832**	**0.006**	**n/a**	**Yes**	**21**	**0.01036**	**0.006399**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-102	1.92	1.08	5	n/a	No	21	1.743	1.082	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-103	6.456	4.74	5	n/a	No	21	5.598	1.556	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.19**	**13.68**	**5**	**n/a**	**Yes**	**21**	**15.93**	**4.096**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.001	2.557	5	n/a	No	21	3.279	1.308	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.331	0.8206	5	n/a	No	21	1.076	0.4626	4.762	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	3.019	1.833	5	n/a	No	21	2.426	1.075	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.944**	**5.47**	**5**	**n/a**	**Yes**	**21**	**6.207**	**1.336**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-103	0.24	0.037	4	n/a	No	22	0.1035	0.03331	90.91	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3476	0.2429	4	n/a	No	23	0.2952	0.1001	4.348	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	n/a	No	22	0.08232	0.02717	68.18	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.05	4	n/a	No	22	0.09773	0.01066	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	n/a	No	22	0.0795	0.02843	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	n/a	No	21	0.001191	0.000343	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	n/a	No	21	0.001243	0.0002597	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002306	0.001875	0.015	n/a	No	21	0.00209	0.000391	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	n/a	No	21	0.001225	0.0002671	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	n/a	No	21	0.001257	0.0001986	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.0012	0.015	n/a	No	21	0.001151	0.000375	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0013	0.0004	0.015	n/a	No	21	0.001071	0.0004194	76.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	n/a	No	21	0.004452	0.001377	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0017	0.04	n/a	No	21	0.003398	0.001676	47.62	None	No	0.01	NP (normality)

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	MW-104	0.03074	0.01927	0.04	n/a	No	21	0.02571	0.01141	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	n/a	No	21	0.00478	0.001006	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.005	0.0035	0.04	n/a	No	21	0.004253	0.001792	71.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006551	0.005049	0.04	n/a	No	21	0.0058	0.001361	4.762	None	No	0.01	Param.
Lithium (mg/L)	MW-110	0.012	0.0073	0.04	n/a	No	21	0.01331	0.01825	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	n/a	No	21	0.0001899	0.00003188	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	n/a	No	21	0.0002143	0.0000949	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001167	0.0006672	0.002	n/a	No	21	0.0009543	0.0005057	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	n/a	No	21	0.0001943	0.00002619	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.00047	0.0002	0.002	n/a	No	21	0.0005203	0.0007223	61.9	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.005512**	**0.003454**	**0.002**	**n/a**	**Yes**	**21**	**0.004483**	**0.001866**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.00091	0.1	n/a	No	21	0.01433	0.003075	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.00092	0.1	n/a	No	21	0.01433	0.003073	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005549	0.003675	0.1	n/a	No	21	0.004714	0.001852	4.762	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.015	0.00068	0.1	n/a	No	21	0.01432	0.003125	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.0009	0.1	n/a	No	21	0.01433	0.003077	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0013	0.001	0.05	n/a	No	21	0.001224	0.0008371	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.002613	0.001684	0.05	n/a	No	21	0.002148	0.0008421	4.762	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01266	0.006295	0.05	n/a	No	21	0.009476	0.005766	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.0004	0.05	n/a	No	21	0.0009386	0.0004625	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.0016	0.0013	0.05	n/a	No	21	0.001314	0.00006547	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0015	0.00035	0.05	n/a	No	21	0.001195	0.0004203	76.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003737	0.003197	0.05	n/a	No	21	0.003467	0.0004892	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	n/a	No	21	0.0004862	0.00006328	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	n/a	No	21	0.0004608	0.0001255	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003473	0.0002508	0.002	n/a	No	21	0.000299	0.00008752	9.524	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	n/a	No	21	0.0004695	0.00009811	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	n/a	No	21	0.0004819	0.00008292	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002866	0.0002372	0.002	n/a	No	21	0.0002619	0.00004479	14.29	None	No	0.01	Param.

Appendix IV - 200 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**14.94**	**7.442**	**5**	**n/a**	**Yes**	**21**	**11.19**	**6.796**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**13.99**	**7.546**	**5**	**n/a**	**Yes**	**21**	**12.05**	**7.44**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**22.92**	**10.05**	**5**	**n/a**	**Yes**	**21**	**17.88**	**12.45**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Appendix IV - 200 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	n/a	No	19	0.002342	0.000473	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	n/a	No	19	0.002426	0.0003212	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.00197	0.0006058	0.01	n/a	No	21	0.001904	0.001553	33.33	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0034	0.0009	0.01	n/a	No	21	0.00266	0.002744	52.38	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-206	0.006016	0.001553	0.01	n/a	No	21	0.005561	0.006124	19.05	Kaplan-Meier	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-200	0.05847	0.03338	2	n/a	No	21	0.04592	0.02274	4.762	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06191	0.0378	2	n/a	No	21	0.04986	0.02186	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.09526	0.05389	2	n/a	No	21	0.07458	0.0375	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	n/a	No	21	0.002383	0.0005357	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	n/a	No	21	0.002384	0.0005305	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	n/a	No	21	0.002095	0.0008605	80.95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.00061	0.0005	0.005	n/a	No	20	0.0006905	0.0005113	65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.005568	0.001848	0.005	n/a	No	21	0.005239	0.005392	4.762	None	ln(x)	0.01	Param.
Cadmium (mg/L)	MW-206	0.0026	0.00065	0.005	n/a	No	21	0.001848	0.001044	19.05	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-201	0.0025	0.002	0.1	n/a	No	18	0.002356	0.0003698	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	n/a	No	18	0.002506	0.00002357	94.44	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001355	0.0006926	0.006	n/a	No	21	0.001173	0.0007117	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-201	0.00247	0.001265	0.006	n/a	No	21	0.001974	0.00128	4.762	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.00406	0.002004	0.006	n/a	No	21	0.003032	0.001864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**14.94**	**7.442**	**5**	**n/a**	**Yes**	**21**	**11.19**	**6.796**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**13.99**	**7.546**	**5**	**n/a**	**Yes**	**21**	**12.05**	**7.44**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**22.92**	**10.05**	**5**	**n/a**	**Yes**	**21**	**17.88**	**12.45**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.06	4	n/a	No	22	0.09859	0.0644	27.27	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.6781	0.408	4	n/a	No	23	0.543	0.2583	4.348	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.07203	0.04693	4	n/a	No	23	0.07291	0.02665	17.39	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-200	0.001166	0.0005909	0.015	n/a	No	21	0.00109	0.0004661	28.57	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00057	0.015	n/a	No	21	0.001035	0.000389	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.0087	0.00076	0.015	n/a	No	21	0.004444	0.004108	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	n/a	No	21	0.004814	0.001608	80.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.0062	0.0042	0.04	n/a	No	21	0.006333	0.006751	23.81	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0029	0.04	n/a	No	21	0.004548	0.001173	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.001896	0.0007604	0.002	n/a	No	21	0.001328	0.001029	9.524	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.00117	0.0003025	0.002	n/a	No	21	0.001088	0.001041	9.524	None	ln(x)	0.01	Param.
Mercury (mg/L)	MW-206	0.00036	0.00016	0.002	n/a	No	21	0.0003252	0.0002435	42.86	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	n/a	No	19	0.01462	0.001652	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	n/a	No	19	0.01429	0.003097	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	n/a	No	19	0.01426	0.00323	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01004	0.00396	0.05	n/a	No	21	0.007738	0.005816	9.524	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.00945	0.003693	0.05	n/a	No	21	0.007279	0.005552	4.762	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01664	0.009751	0.05	n/a	No	21	0.0132	0.006248	4.762	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0005	0.00018	0.002	n/a	No	21	0.0003637	0.0001712	42.86	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-201	0.0003563	0.0001885	0.002	n/a	No	21	0.0003414	0.0001681	19.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-206	0.0006446	0.0003229	0.002	n/a	No	21	0.0005519	0.0002797	19.05	Kaplan-Meier	No	0.01	Param.

Appendix IV - 300 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 12:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.026**	**0.0079**	**0.006**	**Yes**	**12**	**0.08277**	**0**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.729**	**5.085**	**5**	**Yes**	**21**	**1.861**	**0**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.41**	**0.7221**	**0.1**	**Yes**	**21**	**0.6238**	**0**	**No**	**0.01**	**Param.**

Appendix IV - 300 Series Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 12:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-303	0.0015	0.00082	0.01	No	19	0.0004136	57.89	No	0.01	NP (normality)
Arsenic (mg/L)	MW-304	0.0035	0.00056	0.01	No	16	0.001509	31.25	No	0.01	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-305	0.00048	0.00025	0.01	No	19	0.02115	73.68	No	0.01	NP (normality)
Arsenic (mg/L)	MW-308	0.0023	0.0011	0.01	No	19	0.0003114	84.21	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.011	2	No	21	0.00074	0	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04946	0.03244	2	No	21	0.01542	0	No	0.01	Param.
Barium (mg/L)	MW-304	0.04168	0.02918	2	No	21	0.01133	0	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	21	0.007298	0	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02695	0.02181	2	No	21	0.004653	0	No	0.01	Param.
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	18	0.0005718	94.44	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.001	0.004	No	18	0.0003536	94.44	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	21	0.0005292	95.24	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00041	0.005	No	21	0.001034	42.86	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0042	0.001	0.005	No	21	0.0006386	85.71	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0029	0.000076	0.005	No	21	0.0005404	90.48	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	21	0.0005261	95.24	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0012	0.1	No	18	0.0004291	88.89	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0014	0.1	No	18	0.0003896	88.89	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0021	0.1	No	18	0.0003666	77.78	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.002	0.1	No	18	0.0004436	72.22	No	0.01	NP (normality)
Chromium (mg/L)	MW-308	0.0025	0.0022	0.1	No	18	0.0003981	88.89	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	21	0.0008516	80.95	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00056	0.006	No	21	0.0009749	47.62	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-304**	**0.026**	**0.0079**	**0.006**	**Yes**	**12**	**0.08277**	**0**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	MW-305	0.0025	0.00045	0.006	No	21	0.007704	33.33	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	21	0.0005731	90.48	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.489	4.652	5	No	21	0.9066	0	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.729**	**5.085**	**5**	**Yes**	**21**	**1.861**	**0**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-304	6.759	4.191	5	No	21	2.327	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.9	1.24	5	No	21	4.169	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-308	2.964	2.23	5	No	21	0.6656	0	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	22	0.01258	95.45	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2424	0.1672	4	No	23	0.07185	4.348	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.07	4	No	22	0.1339	50	No	0.01	NP (normality)
Fluoride (mg/L)	MW-305	0.81	0.035	4	No	22	0.9659	81.82	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1412	0.08926	4	No	23	0.04962	4.348	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.00039	0.015	No	18	0.0003479	88.89	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	18	0.0002805	94.44	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00048	0.015	No	18	0.000409	61.11	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.0019	0.0013	0.015	No	18	0.0001414	94.44	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0036	0.04	No	21	0.001488	80.95	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02735	0.02123	0.04	No	21	0.00651	4.762	x^2	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0034	0.04	No	21	0.00174	66.67	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.006	0.0025	0.04	No	21	0.0016	76.19	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0021	0.04	No	21	0.00146	80.95	No	0.01	NP (NDs)
Mercury (mg/L)	MW-300	0.0002	0.00019	0.002	No	21	0.000002182	95.24	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00055	0.0002	0.002	No	21	0.0003094	28.57	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.00046	0.00014	0.002	No	21	0.0005967	80.95	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.00042	0.000087	0.002	No	21	0.00005506	90.48	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.41**	**0.7221**	**0.1**	**Yes**	**21**	**0.6238**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0043	0.1	No	21	0.005446	66.67	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	21	0.004226	90.48	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.0037	0.1	No	21	0.005161	80.95	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.0045	0.00087	0.05	No	21	0.0007092	90.48	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.00627	0.003796	0.05	No	21	0.002243	0	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006337	0.004023	0.05	No	20	0.002038	0	No	0.01	Param.
Selenium (mg/L)	MW-305	0.02	0.00077	0.05	No	21	0.04554	80.95	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.006082	0.003566	0.05	No	21	0.002281	0	No	0.01	Param.
Thallium (mg/L)	MW-303	0.00038	0.00018	0.002	No	21	0.0001255	19.05	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0005	0.00015	0.002	No	21	0.0001595	28.57	No	0.01	NP (Cohens/xfrm)
Thallium (mg/L)	MW-308	0.0003892	0.0002442	0.002	No	21	0.0001103	19.05	No	0.01	Param.

Tukey's Outlier Tests

Tukey's Outlier Test - Upgradient Wells - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/22/2023, 1:07 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**0.021,0.02,0.02,0.02,0.02,0.023**	**NP**	**NaN**	**126**	**0.01319**	**0.003272**	**x^6**	**ChiSquared**
Boron (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**0.081**	**NP**	**NaN**	**132**	**0.04233**	**0.01477**	**x^5**	**ChiSquared**
Calcium (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**1.4,1.4,1.4,1.6,1.6,1.6,1.6,1.6,1.5,1.5,1.5,2.1,2**	**NP**	**NaN**	**132**	**0.7684**	**0.3711**	**x^4**	**ChiSquared**
Chloride (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**10,8.1,7.4,8.8**	**NP**	**NaN**	**132**	**5.205**	**0.9861**	**x^6**	**ChiSquared**
Combined Radium 226 + 228 (pCi/L)	**MW-100,MW-101,MW-...**	**Yes**	**2.14,2,2.4,1.86,2.25,1.87,1.97,2.17,2.32,2.13,3.1**	**NP**	**NaN**	**126**	**1.166**	**0.5994**	**x^5**	**ChiSquared**
Field pH (SU)	**MW-100,MW-101,MW-...**	**Yes**	**7.11,6.37,6.29,6.42,5.75,5.98,5.81**	**NP**	**NaN**	**132**	**5.042**	**0.3926**	**x^6**	**ChiSquared**
Total Dissolved Solids (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**36,36,36,110,46,46,38,38,40,58,68,44,44,44,54,42,**	**NP**	**NaN**	**132**	**20.32**	**18.79**	**x^6**	**ChiSquared**

Tukey's Outlier Test - Upgradient Wells - All Results

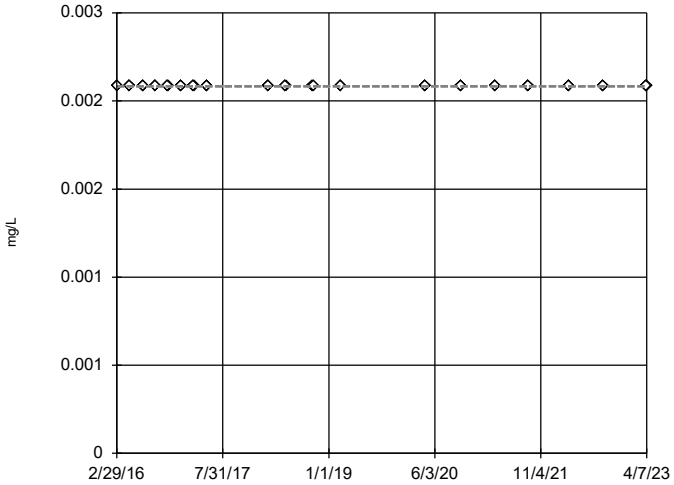
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/22/2023, 1:07 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	114	0.0025	0	unknown	ChiSquared
Arsenic (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.001166	0.0003215	unknown	ChiSquared
Barium (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**0.021,0.02,0.02,0.02,0.02,0.02,0.023**	**NP**	**NaN**	**126**	**0.01319**	**0.003272**	**x^6**	**ChiSquared**
Beryllium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.002333	0.0005589	unknown	ChiSquared
Boron (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**0.081**	**NP**	**NaN**	**132**	**0.04233**	**0.01477**	**x^5**	**ChiSquared**
Cadmium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.0025	0	unknown	ChiSquared
Calcium (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**1.4,1.4,1.4,1.6,1.6,1.6,1.6,1.6,1.5,1.5,1.5,2.1,2**	**NP**	**NaN**	**132**	**0.7684**	**0.3711**	**x^4**	**ChiSquared**
Chloride (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**10,8.1,7.4,8.8**	**NP**	**NaN**	**132**	**5.205**	**0.9861**	**x^6**	**ChiSquared**
Chromium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.002677	0.001555	unknown	ChiSquared
Cobalt (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.001375	0.000956	unknown	ChiSquared
Combined Radium 226 + 228 (pCi/L)	**MW-100,MW-101,MW-...**	**Yes**	**2.14,2,2.4,1.86,2.25,1.87,1.97,2.17,2.32,2.13,3.1**	**NP**	**NaN**	**126**	**1.166**	**0.5994**	**x^5**	**ChiSquared**
Field pH (SU)	**MW-100,MW-101,MW-...**	**Yes**	**7.11,6.37,6.29,6.42,5.75,5.98,5.81**	**NP**	**NaN**	**132**	**5.042**	**0.3926**	**x^6**	**ChiSquared**
Fluoride (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	132	0.09828	0.01023	unknown	ChiSquared
Lead (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.001241	0.000255	unknown	ChiSquared
Lithium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.004238	0.001588	unknown	ChiSquared
Mercury (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.0001962	0.00002176	unknown	ChiSquared
Molybdenum (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.01425	0.003136	unknown	ChiSquared
Selenium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.001205	0.0003979	unknown	ChiSquared
Sulfate (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	132	4.493	1.49	unknown	ChiSquared
Thallium (mg/L)	MW-100,MW-101,MW-...	n/a	n/a	NP	NaN	126	0.0004972	0.00003118	unknown	ChiSquared
Total Dissolved Solids (mg/L)	**MW-100,MW-101,MW-...**	**Yes**	**36,36,36,110,46,46,38,38,40,58,68,44,44,44,54,42,**	**NP**	**NaN**	**132**	**20.32**	**18.79**	**x^6**	**ChiSquared**

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 114

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

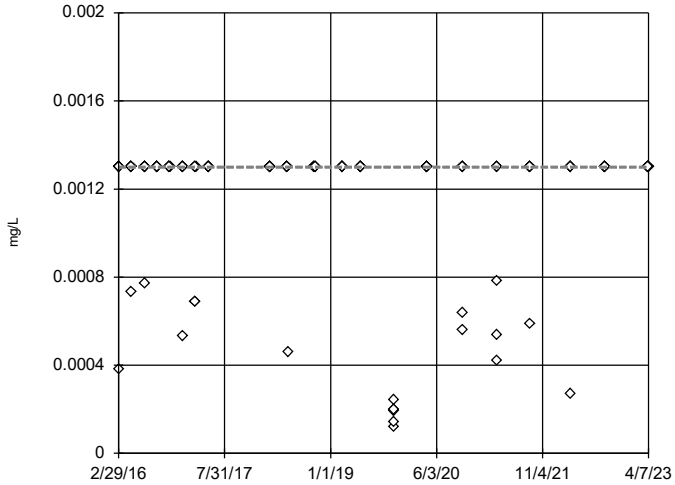
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found.
Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

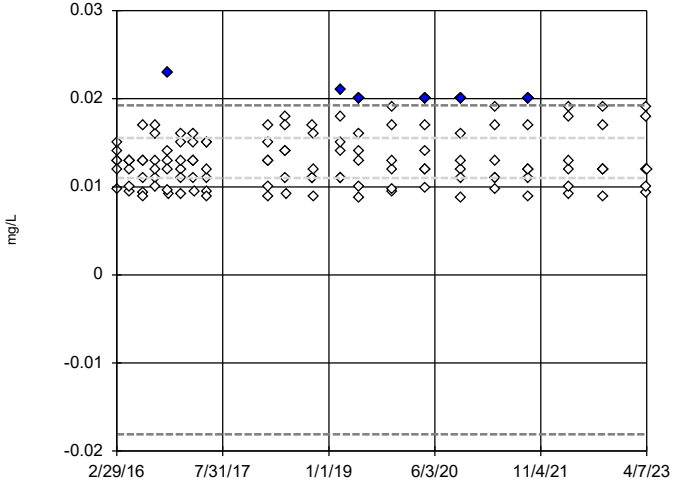
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

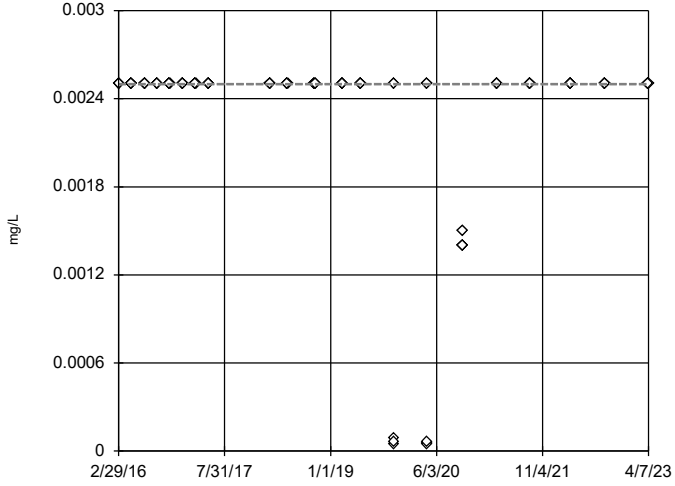
High cutoff = 0.01926, low cutoff = -0.0181, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

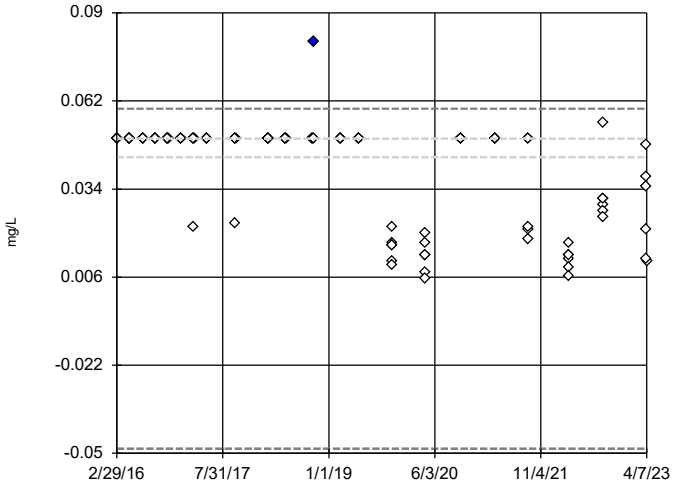
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

Outlier is drawn as solid.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

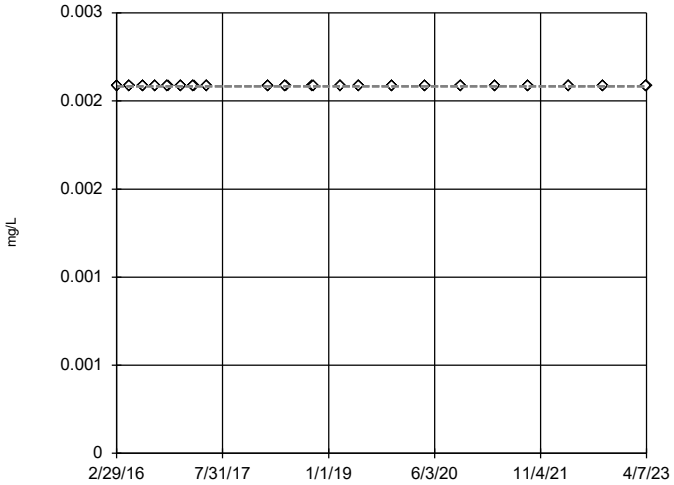
High cutoff = 0.05955, low cutoff = -0.04854, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

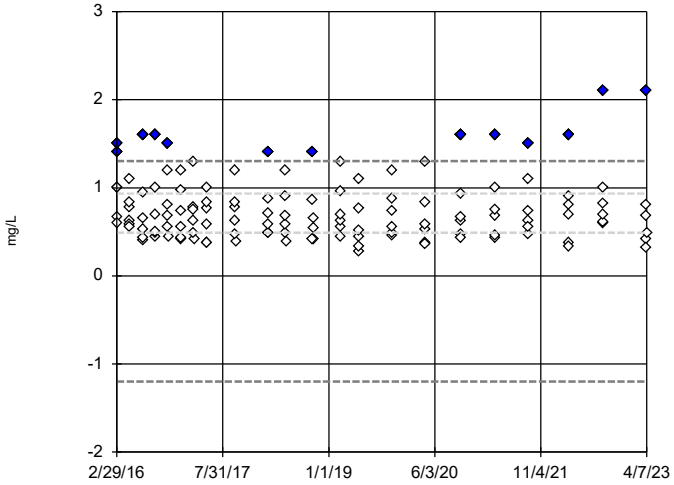
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

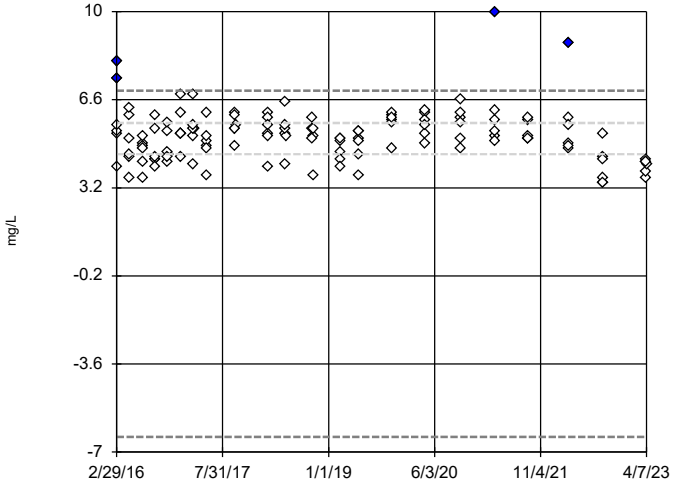
High cutoff = 1.303, low cutoff = -1.198, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

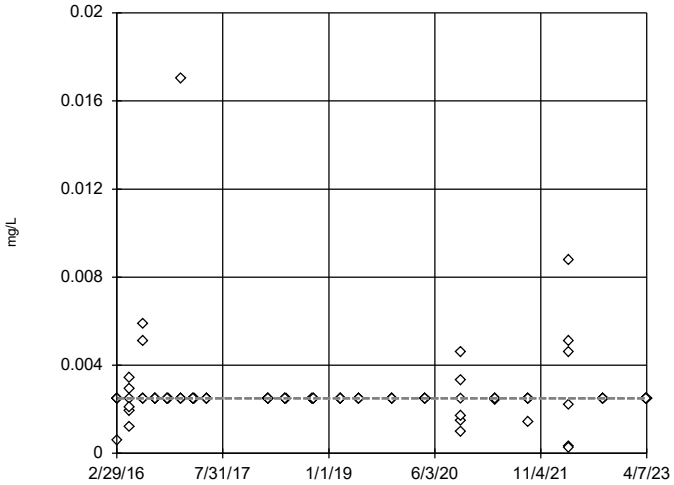
High cutoff = 6.946, low cutoff = -6.415, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

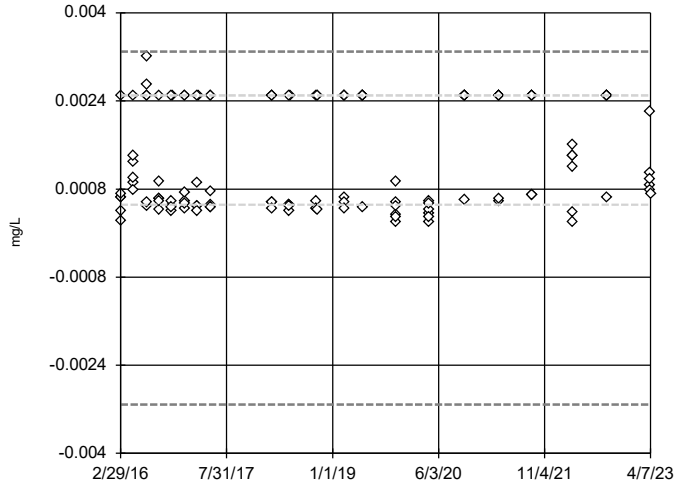
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

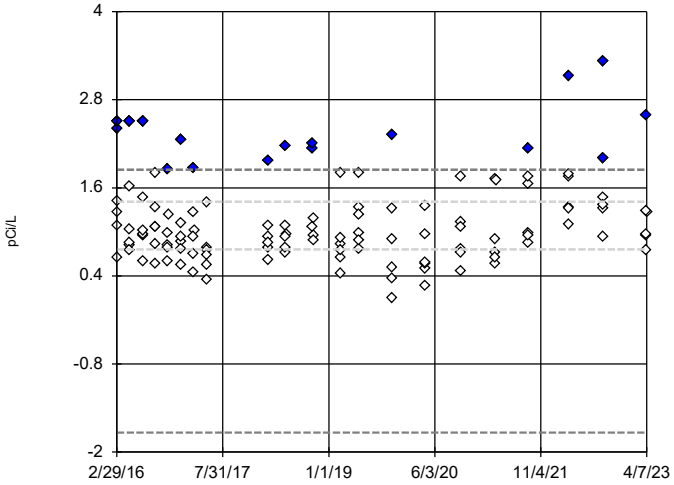
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Cobalt Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

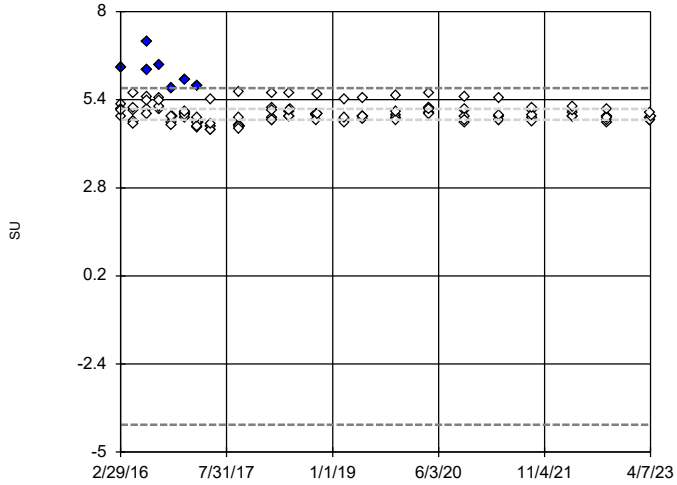
High cutoff = 1.848, low cutoff = -1.735, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Up
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

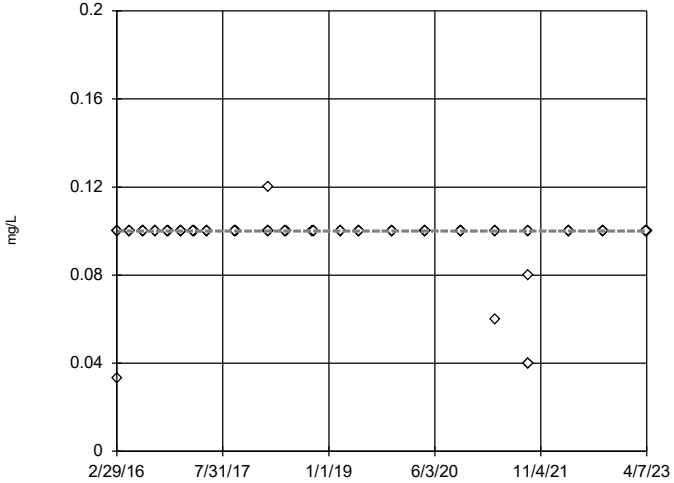
High cutoff = 5.746, low cutoff = -4.195, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

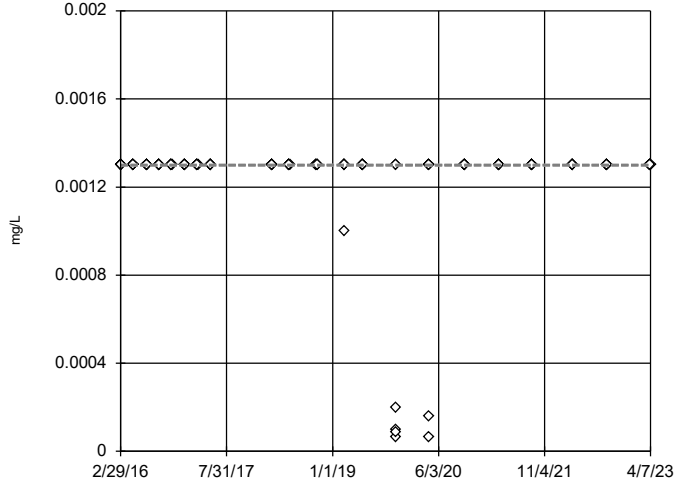
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

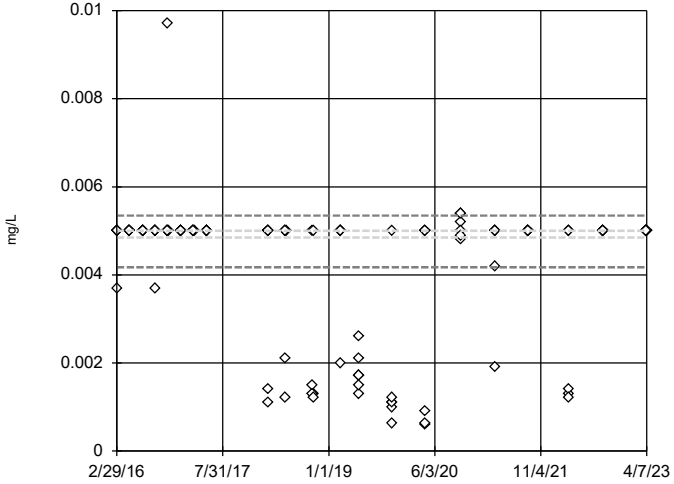
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

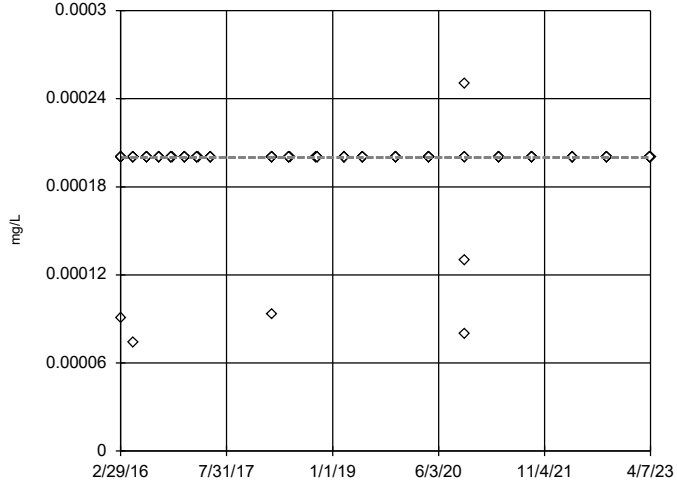
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Lithium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

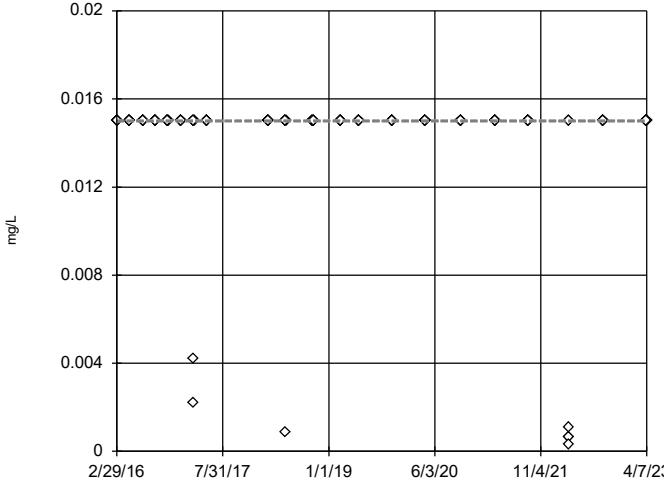
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

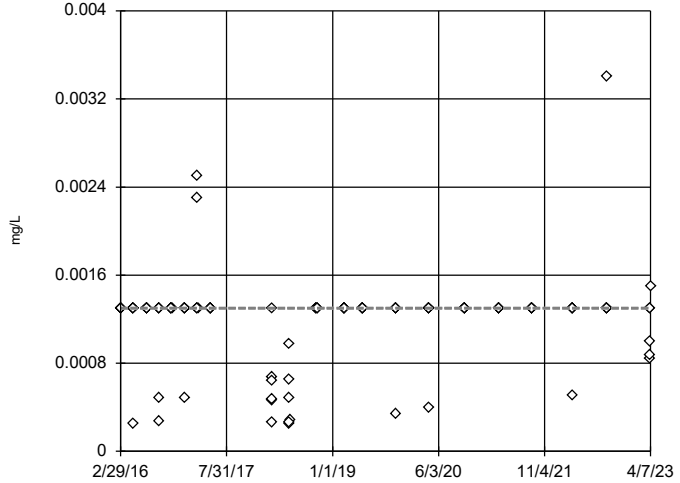
Constituent: Molybdenum Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

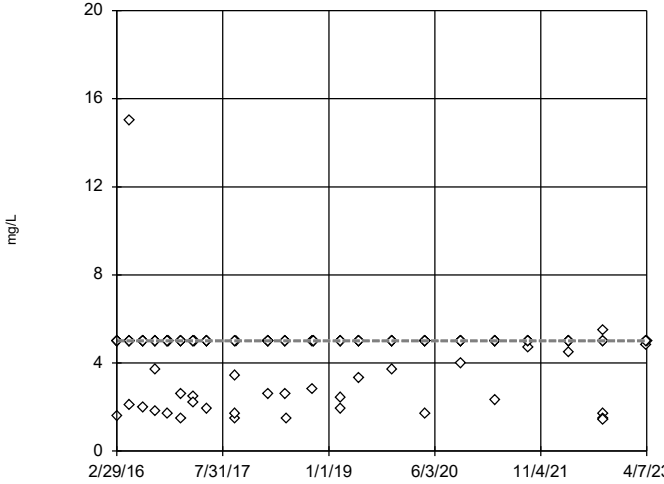
Constituent: Selenium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

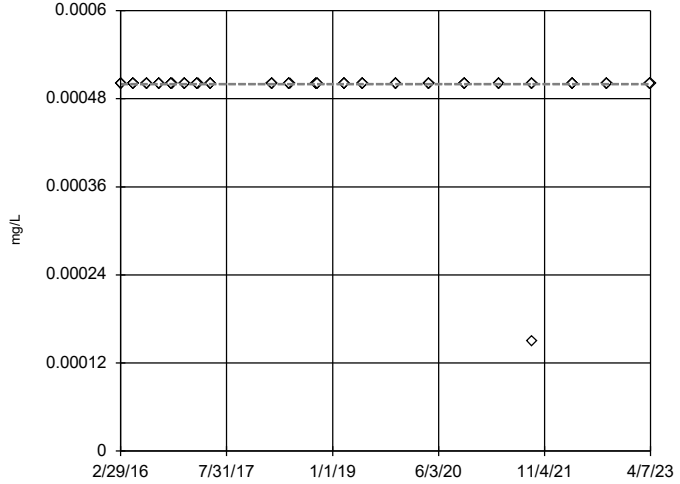
Constituent: Sulfate Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 126

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

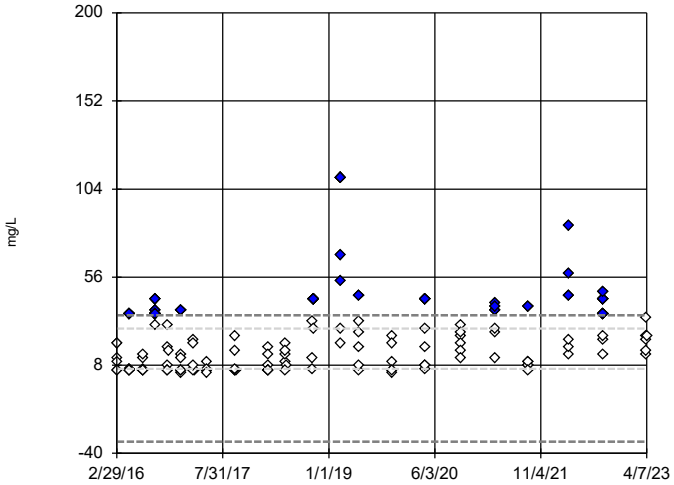
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradient Well

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Screening, Pooled Background

MW-100,MW-101,MW-107,MW-108,MW-306,MW...



n = 132

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 35.28, low cutoff = -33.63, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 8/22/2023 1:06 PM View: 200 Series - Pooled Upgradien
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Test - 200 Series pH - Significant Result

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/18/2023, 5:53 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Field pH (SU)	**MW-108 (bg)**	**Yes**	**7.11**	**NP**	**NaN**	**21**	**4.905**	**0.5269**	**ln(x)**	**ShapiroWilk**

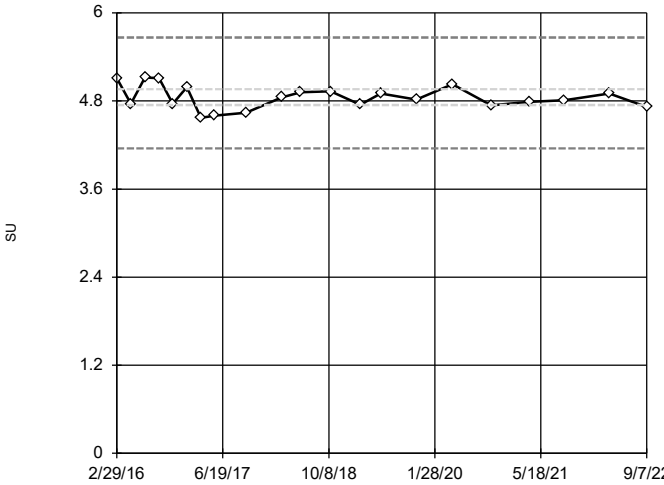
Tukey's Outlier Test - 200 Series pH - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/18/2023, 5:53 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Field pH (SU)	MW-100 (bg)	No	n/a	NP	NaN	21	4.849	0.1617	ln(x)	ShapiroWilk
Field pH (SU)	MW-101 (bg)	No	n/a	NP	NaN	21	4.973	0.2096	x^2	ShapiroWilk
Field pH (SU)	MW-107 (bg)	No	n/a	NP	NaN	21	4.918	0.1953	ln(x)	ShapiroWilk
Field pH (SU)	**MW-108 (bg)**	**Yes**	**7.11**	**NP**	**NaN**	**21**	**4.905**	**0.5269**	**ln(x)**	**ShapiroWilk**
Field pH (SU)	MW-200	No	n/a	NP	NaN	22	5.044	0.1687	normal	ShapiroWilk
Field pH (SU)	MW-201	No	n/a	NP	NaN	22	4.945	0.3149	ln(x)	ShapiroWilk
Field pH (SU)	MW-206	No	n/a	NP	NaN	22	4.5	0.3008	ln(x)	ShapiroWilk
Field pH (SU)	MW-306 (bg)	No	n/a	NP	NaN	21	5.02	0.1655	ln(x)	ShapiroWilk
Field pH (SU)	MW-307 (bg)	No	n/a	NP	NaN	21	5.637	0.3641	ln(x)	ShapiroWilk

Tukey's Outlier Screening

MW-100 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.665, low cutoff = 4.155, based on IQR multiplier of 3.

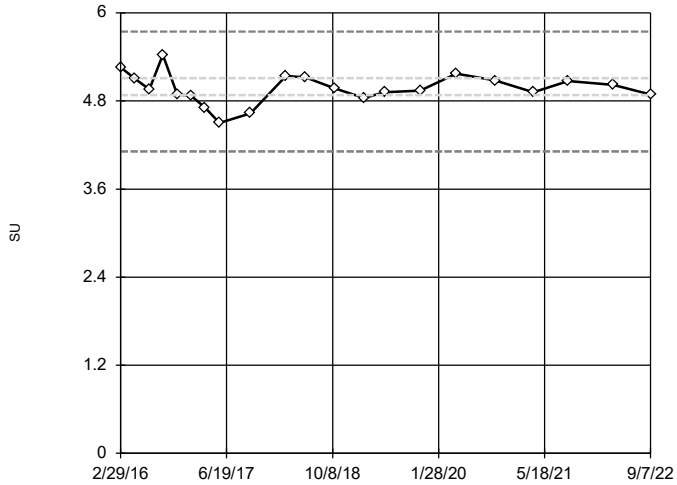
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-101 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.745, low cutoff = 4.114, based on IQR multiplier of 3.

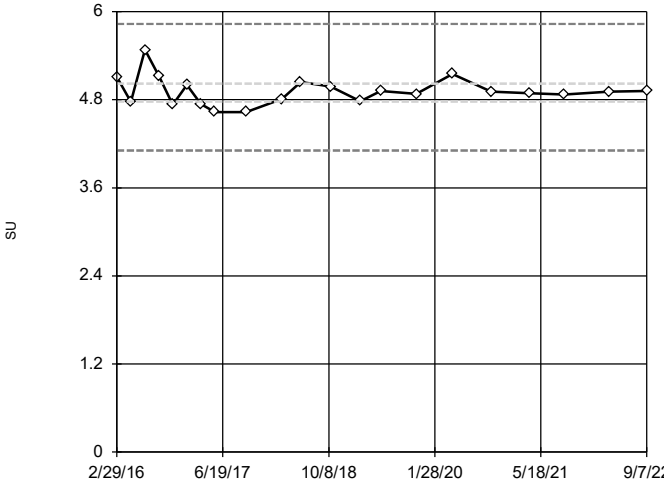
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-107 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.833, low cutoff = 4.11, based on IQR multiplier of 3.

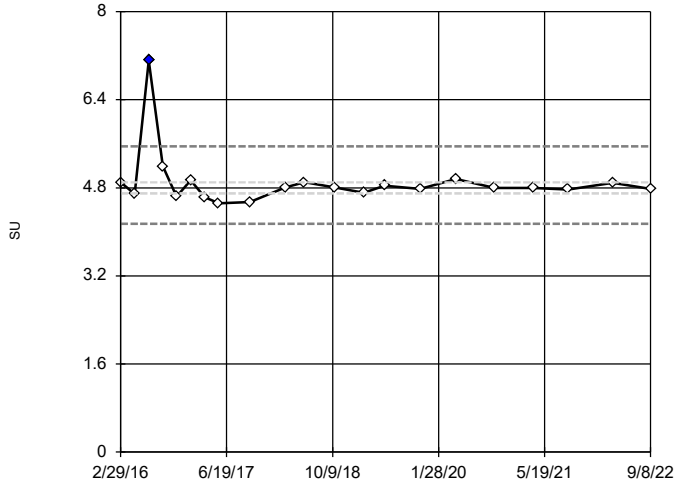
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-108 (bg)



n = 21

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

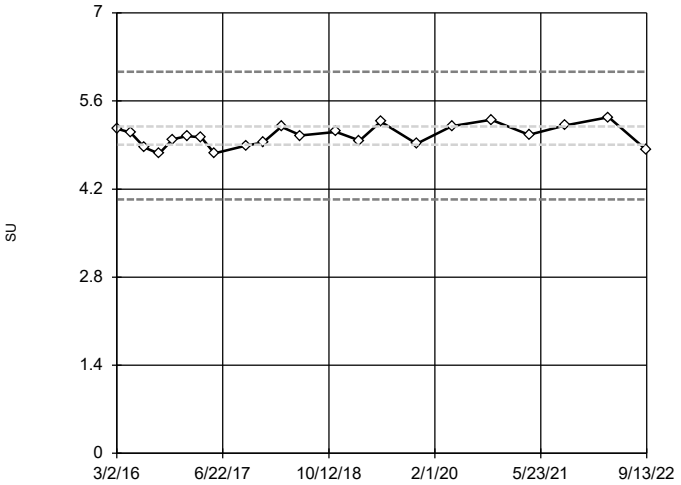
High cutoff = 5.553, low cutoff = 4.148, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Screening

MW-200



n = 22

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 6.065, low cutoff = 4.035, based on IQR multiplier of 3.

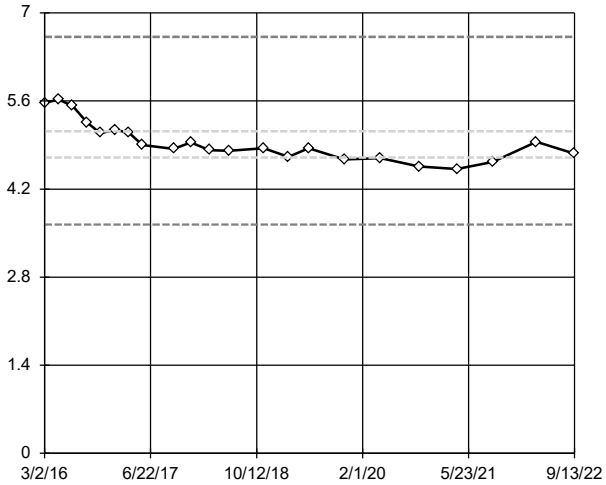
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-201



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.619, low cutoff = 3.636, based on IQR multiplier of 3.

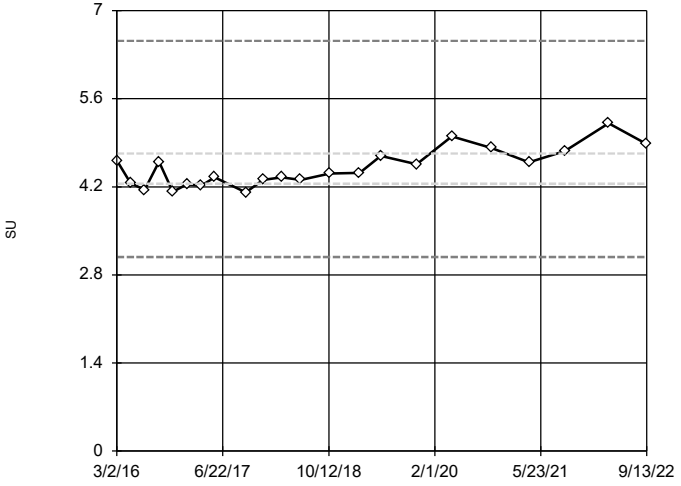
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-206



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.52, low cutoff = 3.083, based on IQR multiplier of 3.

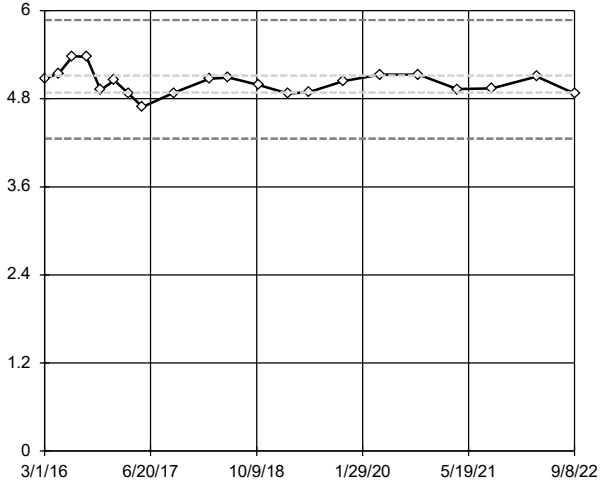
Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-306 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

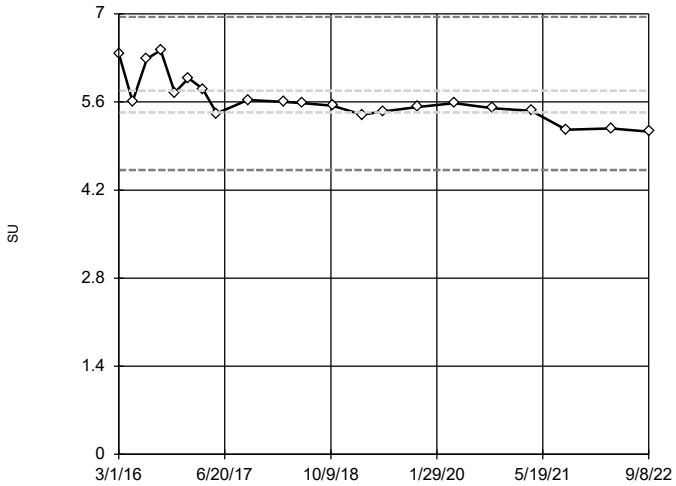
High cutoff = 5.872, low cutoff = 4.255, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Screening

MW-307 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.952, low cutoff = 4.519, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/18/2023 5:45 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Test - 300 Series pH - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:13 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Field pH (SU)	**MW-108 (bg)**	**Yes**	**7.11**	**NP**	**NaN**	**21**	**4.905**	**0.5269**	**ln(x)**	**ShapiroWilk**
Field pH (SU)	**MW-305**	**Yes**	**5.33,3.8**	**NP**	**NaN**	**22**	**4.836**	**0.2878**	**x^6**	**ShapiroWilk**

Tukey's Outlier Test - 300 Series pH - All Results

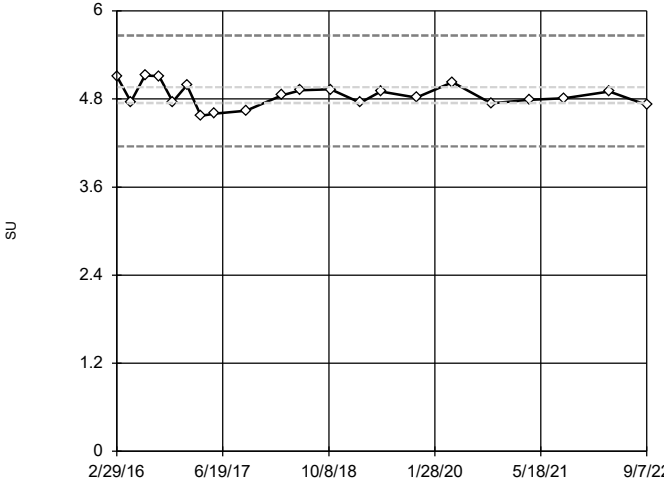
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:13 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Field pH (SU)	MW-100 (bg)	No	n/a	NP	NaN	21	4.849	0.1617	ln(x)	ShapiroWilk
Field pH (SU)	MW-101 (bg)	No	n/a	NP	NaN	21	4.973	0.2096	x^2	ShapiroWilk
Field pH (SU)	MW-107 (bg)	No	n/a	NP	NaN	21	4.918	0.1953	ln(x)	ShapiroWilk
Field pH (SU)	**MW-108 (bg)**	**Yes**	**7.11**	**NP**	**NaN**	**21**	**4.905**	**0.5269**	**ln(x)**	**ShapiroWilk**
Field pH (SU)	MW-300	No	n/a	NP	NaN	22	4.725	0.1777	ln(x)	ShapiroWilk
Field pH (SU)	MW-303	No	n/a	NP	NaN	22	6.579	0.2388	sqrt(x)	ShapiroWilk
Field pH (SU)	MW-304	No	n/a	NP	NaN	22	5.536	0.4447	ln(x)	ShapiroWilk
Field pH (SU)	**MW-305**	**Yes**	**5.33,3.8**	**NP**	**NaN**	**22**	**4.836**	**0.2878**	**x^6**	**ShapiroWilk**
Field pH (SU)	MW-306 (bg)	No	n/a	NP	NaN	21	5.02	0.1655	ln(x)	ShapiroWilk
Field pH (SU)	MW-307 (bg)	No	n/a	NP	NaN	21	5.637	0.3641	ln(x)	ShapiroWilk
Field pH (SU)	MW-308	No	n/a	NP	NaN	22	6.299	0.3511	x^3	ShapiroWilk

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-100 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.665, low cutoff = 4.155, based on IQR multiplier of 3.

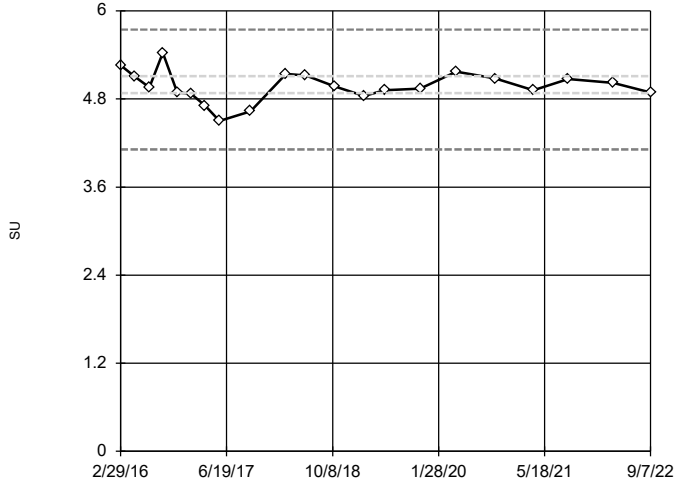
Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-101 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.745, low cutoff = 4.114, based on IQR multiplier of 3.

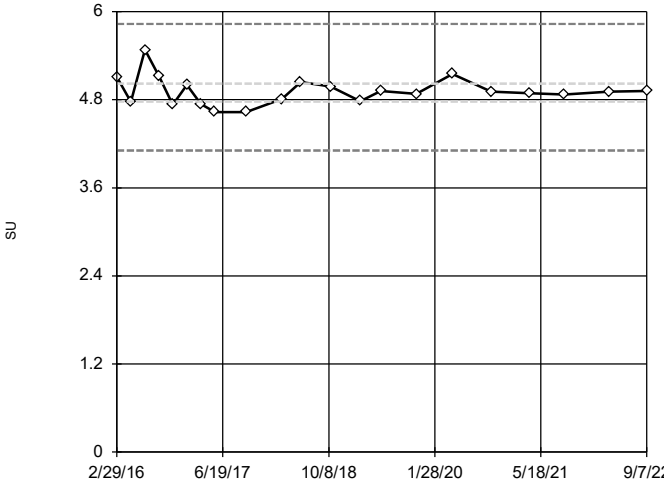
Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-107 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.833, low cutoff = 4.11, based on IQR multiplier of 3.

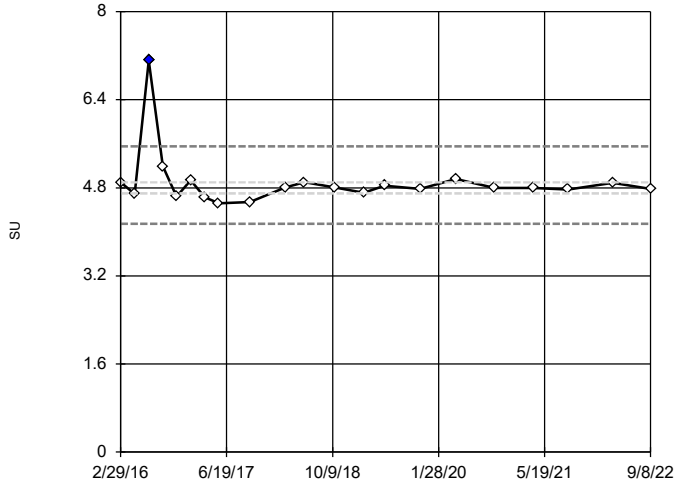
Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-108 (bg)



n = 21

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

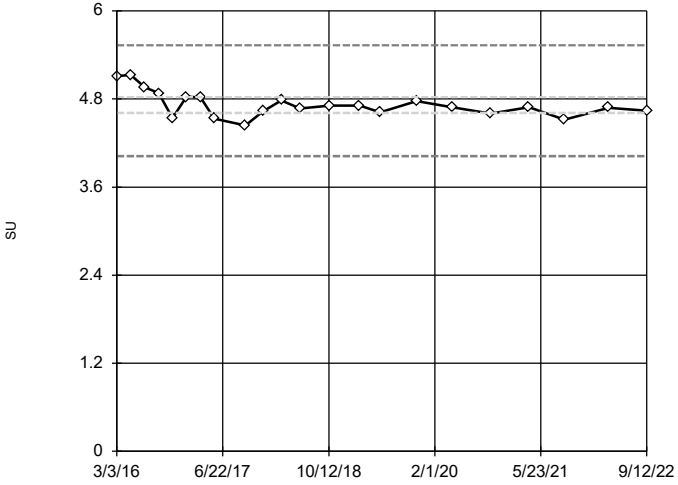
High cutoff = 5.553, low cutoff = 4.148, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Tukey's Outlier Screening

MW-300



n = 22

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

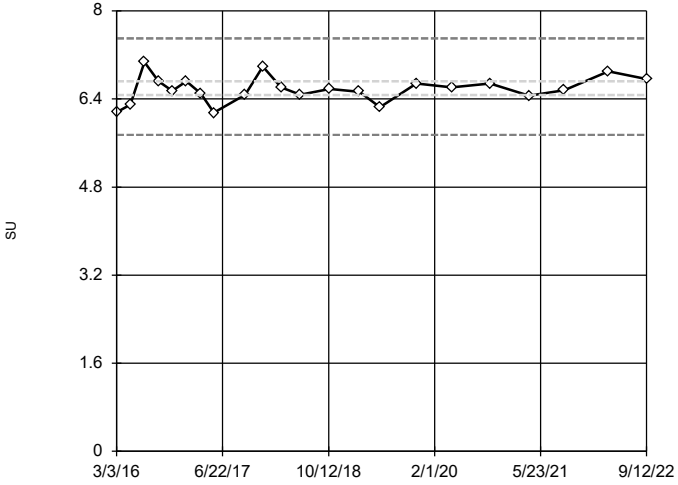
High cutoff = 5.532, low cutoff = 4.021, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-303



n = 22

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

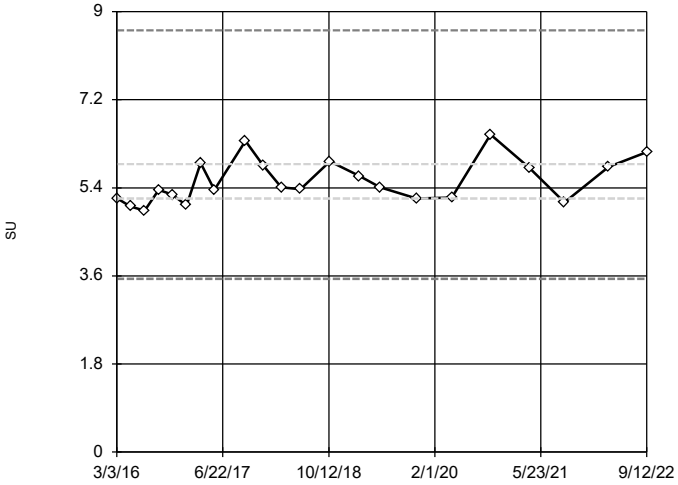
High cutoff = 7.498, low cutoff = 5.748, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-304



n = 22

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

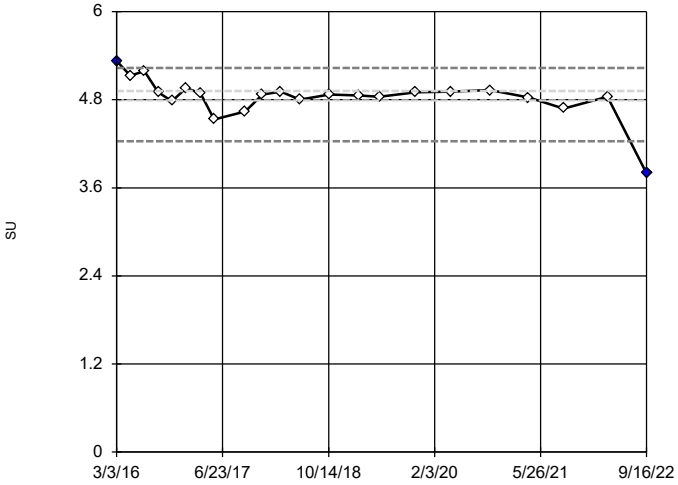
High cutoff = 8.617, low cutoff = 3.539, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-305



n = 22

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

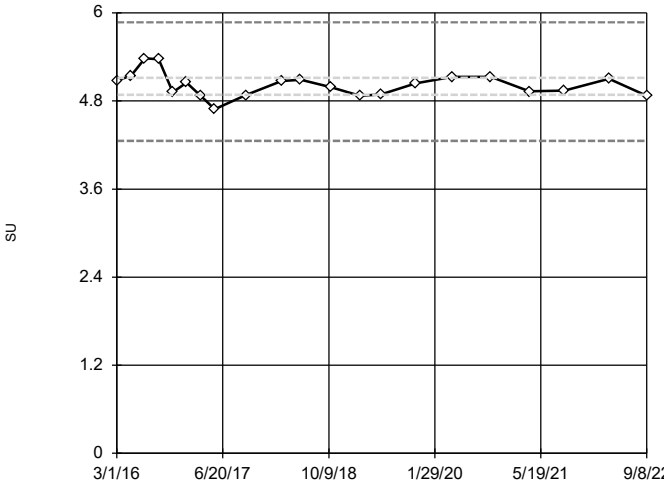
High cutoff = 5.232, low cutoff = 4.234, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-306 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.872, low cutoff = 4.255, based on IQR multiplier of 3.

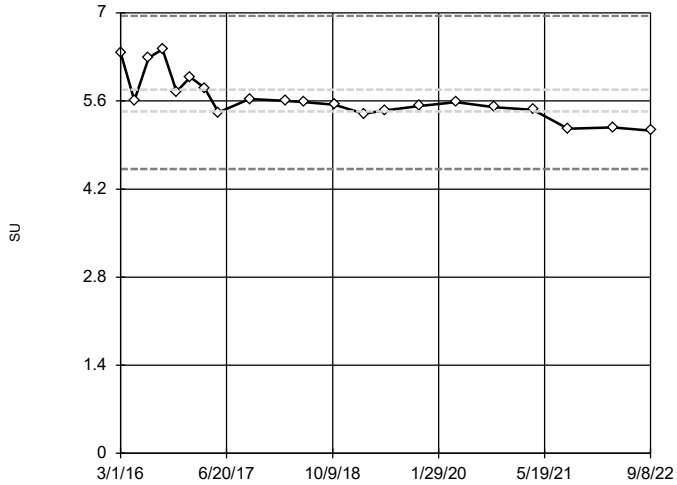
Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-307 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.952, low cutoff = 4.519, based on IQR multiplier of 3.

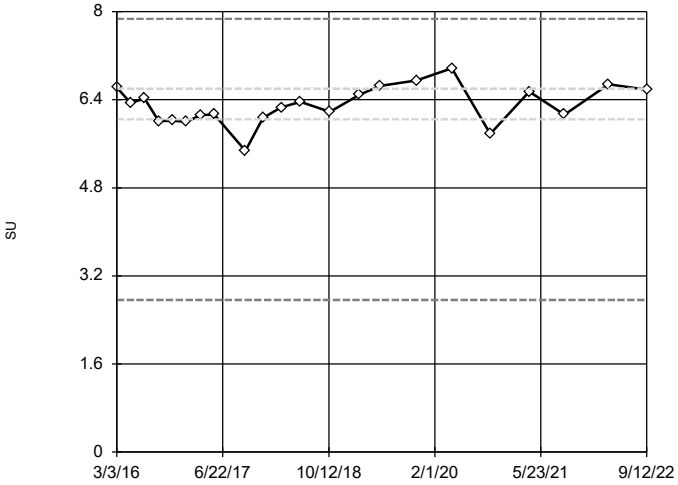
Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Tukey's Outlier Screening

MW-308



n = 22

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.869, low cutoff = 2.764, based on IQR multiplier of 3.

Constituent: Field pH Analysis Run 8/24/2023 11:12 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Mann-Whitney - 200 & 300 Series

200 Series

Welch's t-test/Mann-Whitney - 200 Series - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:42 PM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	**MW-201**	**-3.004**	**Yes**	**Mann-W**
Field pH (SU)	**MW-206**	**3.517**	**Yes**	**Mann-W**
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Welch's t-test/Mann-Whitney - 200 Series - All Results

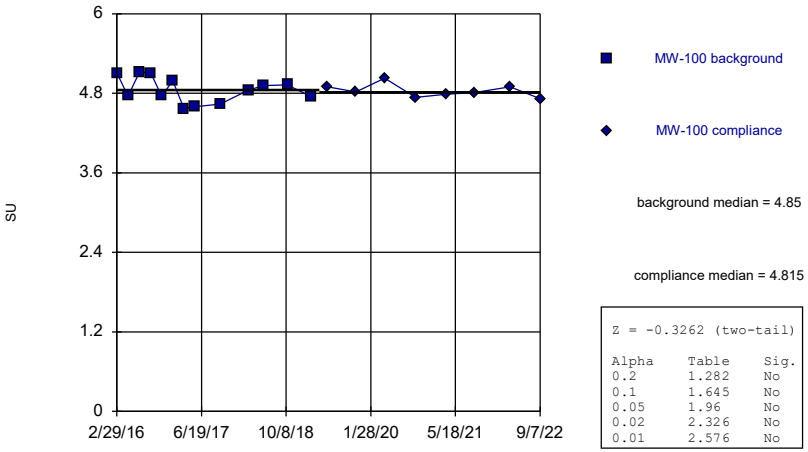
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:42 PM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	MW-100 (bg)	-0.3262	No	Mann-W
Field pH (SU)	MW-101 (bg)	0.4348	No	Mann-W
Field pH (SU)	MW-107 (bg)	0.6162	No	Mann-W
Field pH (SU)	MW-108 (bg)	0.6568	No	Mann-W
Field pH (SU)	MW-200	2.013	No	Mann-W
Field pH (SU)	**MW-201**	**-3.004**	**Yes**	**Mann-W**
Field pH (SU)	**MW-206**	**3.517**	**Yes**	**Mann-W**
Field pH (SU)	MW-306 (bg)	-0.03627	No	Mann-W
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-100 (bg)

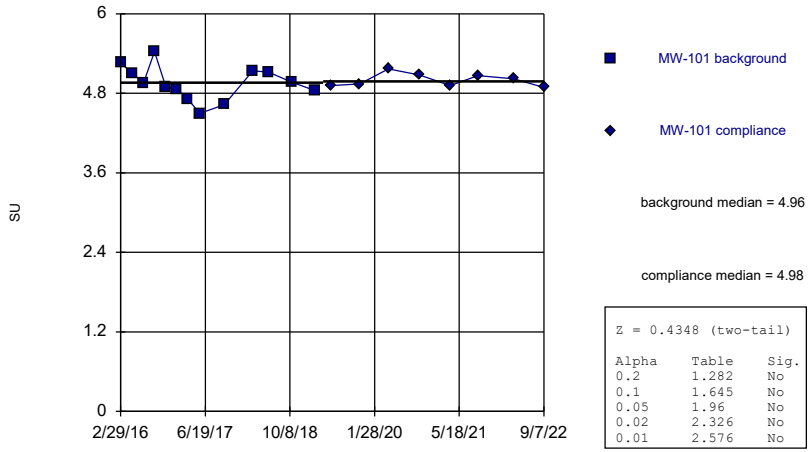


Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-101 (bg)

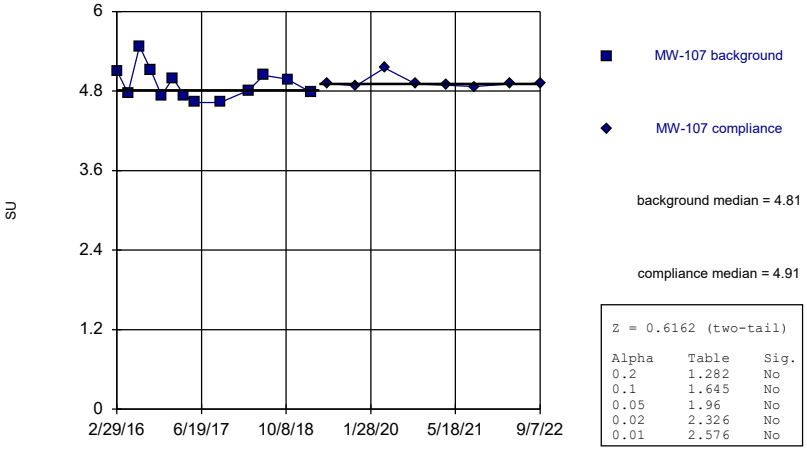


Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-107 (bg)

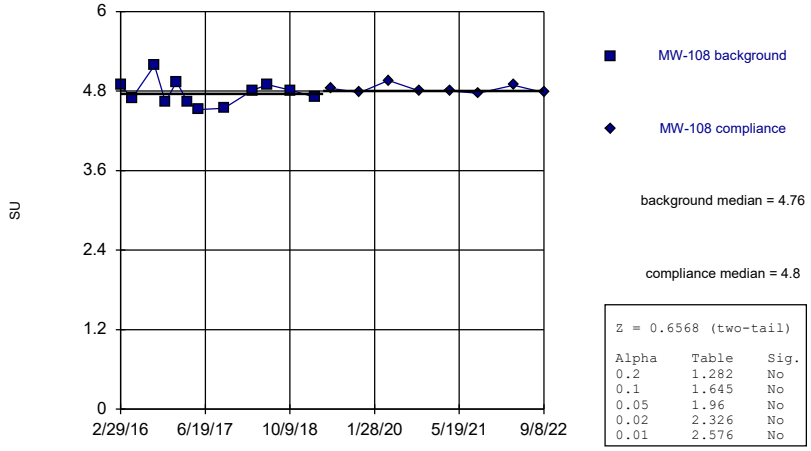


Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-108 (bg)

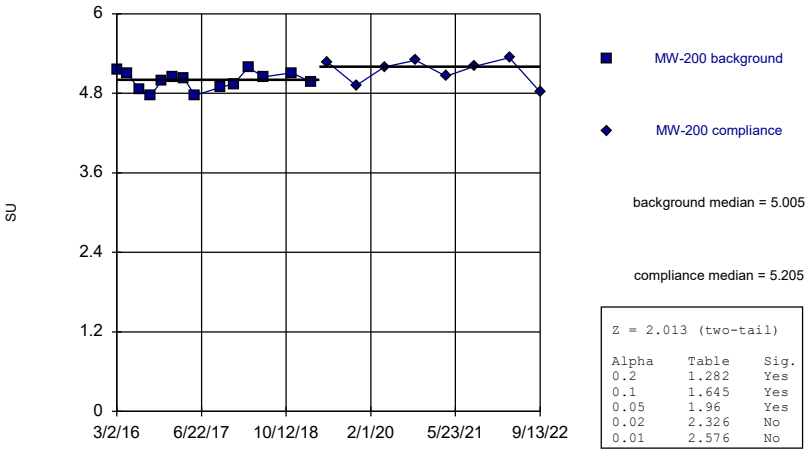


Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-200



background median = 5.005

compliance median = 5.205

Z = 2.013 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

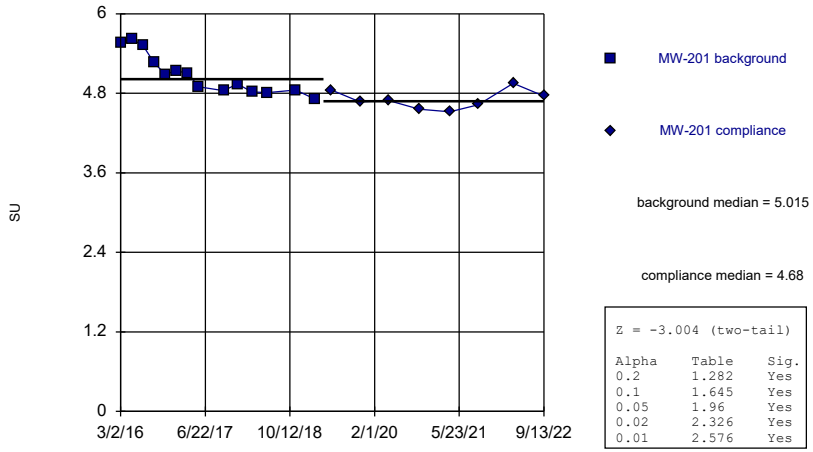
Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-201



background median = 5.015

compliance median = 4.68

Z = -3.004 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

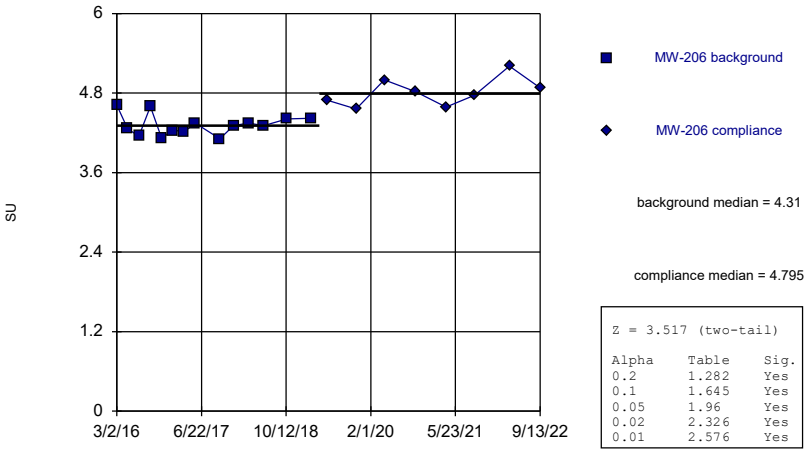
Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-206



background median = 4.31

compliance median = 4.795

Z = 3.517 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

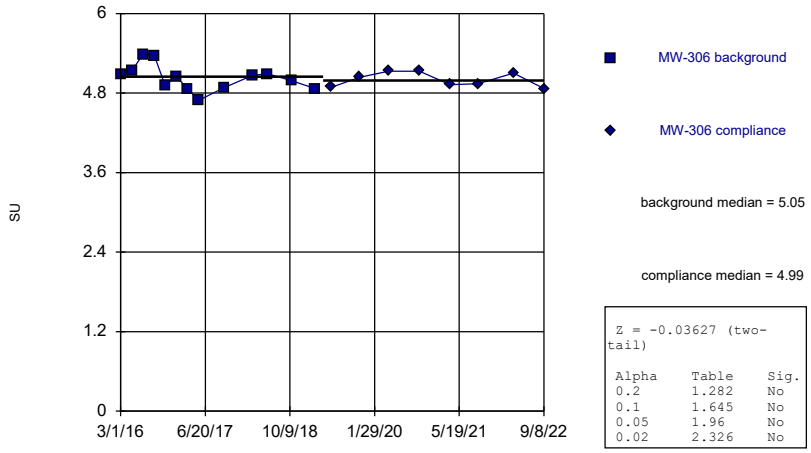
Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-306 (bg)



background median = 5.05

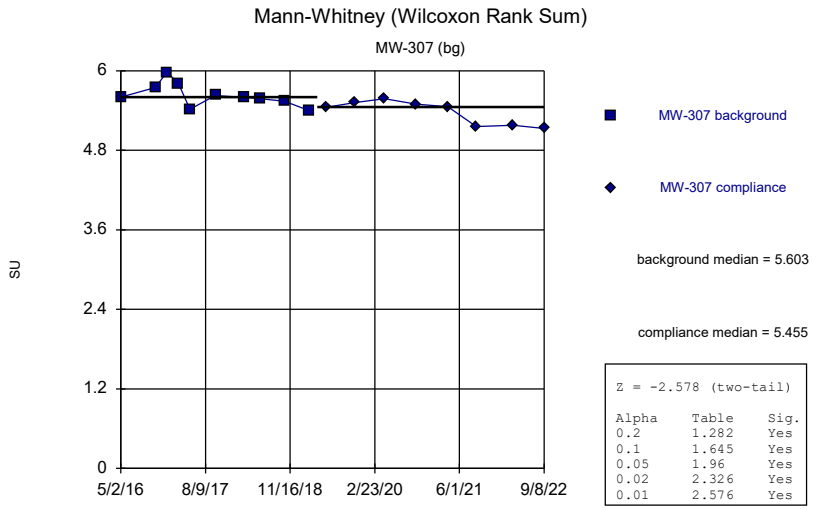
compliance median = 4.99

Z = -0.03627 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant



Constituent: Field pH Analysis Run 8/23/2023 3:40 PM View: 200 Series - All Wells pH
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03
10/7/2020		4.74
3/29/2021		4.79
9/2/2021		4.81
3/22/2022		4.9
9/7/2022		4.72

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17
10/7/2020		5.08
3/29/2021		4.92
9/2/2021		5.07
3/22/2022		5.02
9/7/2022		4.89

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15
10/7/2020		4.91
3/29/2021		4.89
9/2/2021		4.87
3/22/2022		4.91
9/7/2022		4.92

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96
10/7/2020		4.8
3/29/2021		4.8
9/2/2021		4.77
3/22/2022		4.89
9/8/2022		4.78

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019		5.27
11/12/2019		4.92
4/18/2020		5.2
10/12/2020		5.3
4/1/2021		5.06
9/8/2021		5.21
3/25/2022		5.34
9/13/2022		4.82

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019		4.85
11/12/2019		4.67
4/22/2020		4.69
10/12/2020		4.56
4/1/2021		4.52
9/8/2021		4.63
3/25/2022		4.95
9/13/2022		4.76

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019		4.69
11/12/2019		4.56
4/18/2020		5
10/12/2020		4.82
4/1/2021		4.59
9/8/2021		4.77
3/25/2022		5.21
9/13/2022		4.88

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13
10/7/2020		5.13
3/29/2021		4.93
9/2/2021		4.94
3/22/2022		5.1
9/8/2022		4.87

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:42 PM View: 200 Series - All Wells pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58
10/7/2020		5.5
3/29/2021		5.46
9/2/2021		5.16
3/22/2022		5.18
9/8/2022		5.13

300 Series

Welch's t-test/Mann-Whitney - 300 Series - Significant Result

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:45 AM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**

Welch's t-test/Mann-Whitney - 300 Series - All Results

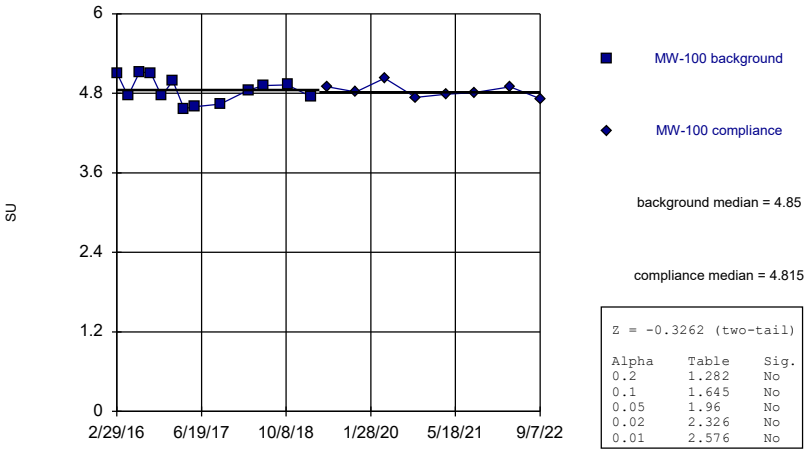
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 11:46 AM

Constituent	Well	Calc.	0.01	Method
Field pH (SU)	MW-100 (bg)	-0.3262	No	Mann-W
Field pH (SU)	MW-101 (bg)	0.4348	No	Mann-W
Field pH (SU)	MW-107 (bg)	0.6162	No	Mann-W
Field pH (SU)	MW-108 (bg)	0.6568	No	Mann-W
Field pH (SU)	MW-300	-1.605	No	Mann-W
Field pH (SU)	MW-303	0.6833	No	Mann-W
Field pH (SU)	MW-304	0.6146	No	Mann-W
Field pH (SU)	MW-305	-0.5603	No	Mann-W
Field pH (SU)	MW-306 (bg)	-0.03627	No	Mann-W
Field pH (SU)	**MW-307 (bg)**	**-2.578**	**Yes**	**Mann-W**
Field pH (SU)	MW-308	2.253	No	Mann-W

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-100 (bg)

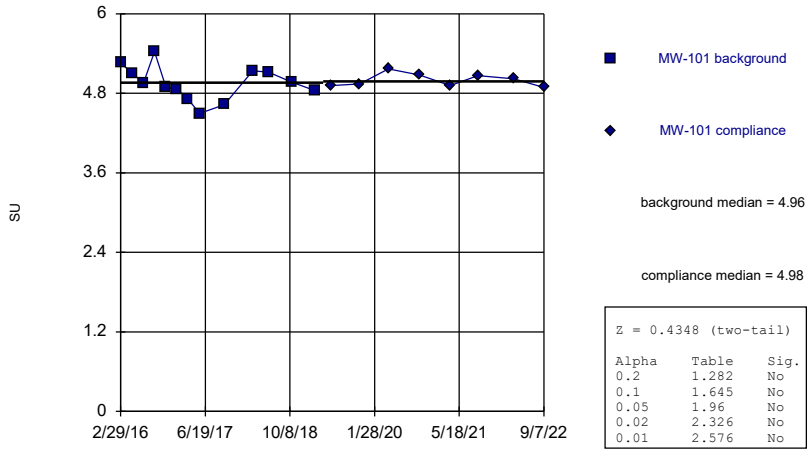


Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-101 (bg)

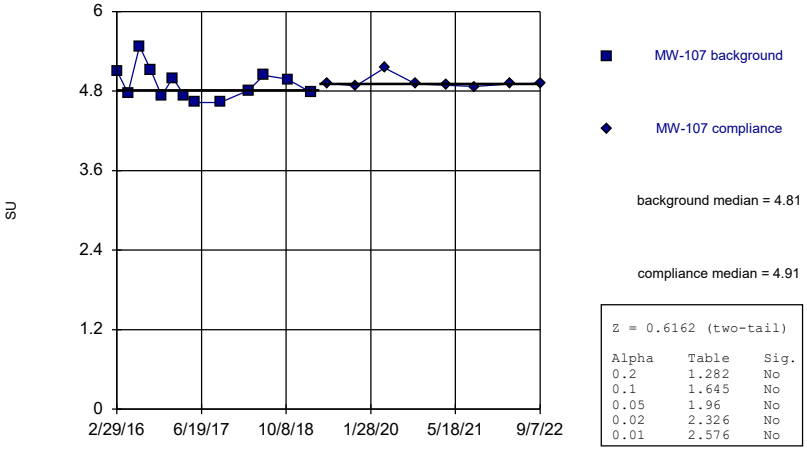


Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-107 (bg)

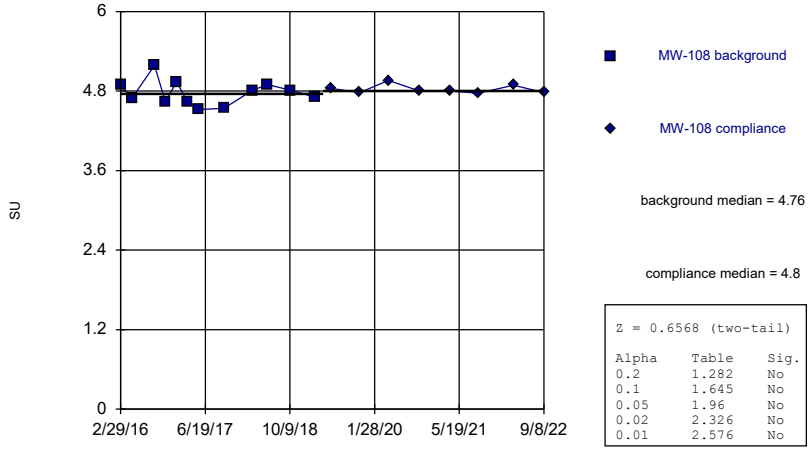


Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-108 (bg)

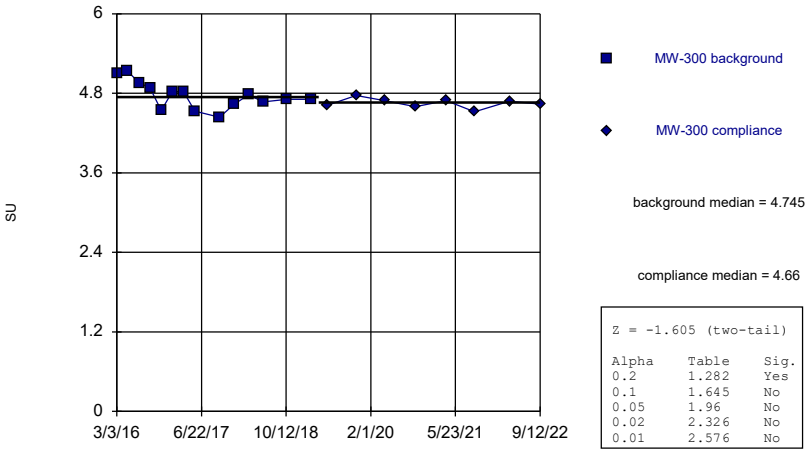


Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-300



background median = 4.745

compliance median = 4.66

Z = -1.605 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

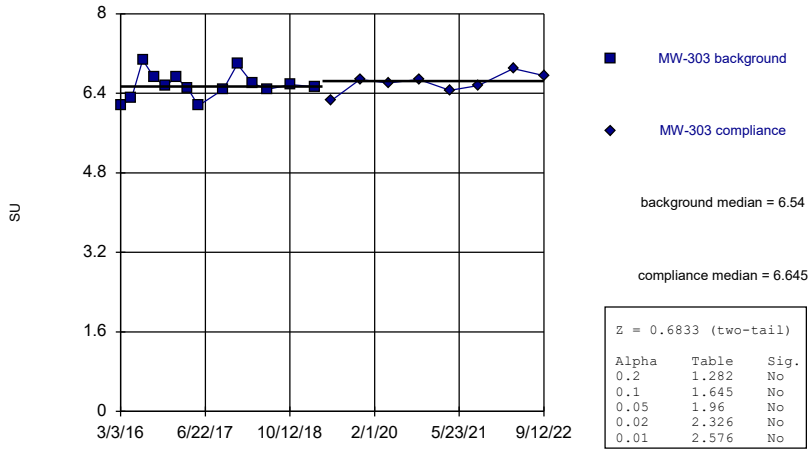
Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-303



background median = 6.54

compliance median = 6.645

Z = 0.6833 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

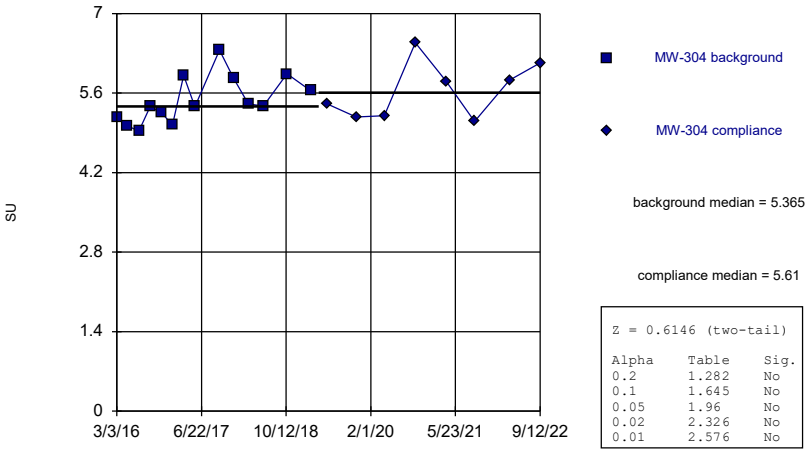
Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-304



background median = 5.365

compliance median = 5.61

Z = 0.6146 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

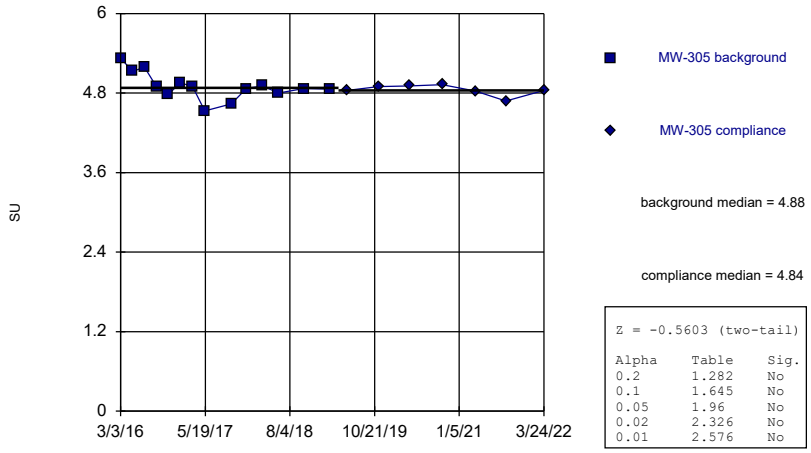
Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-305



background median = 4.88

compliance median = 4.84

Z = -0.5603 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

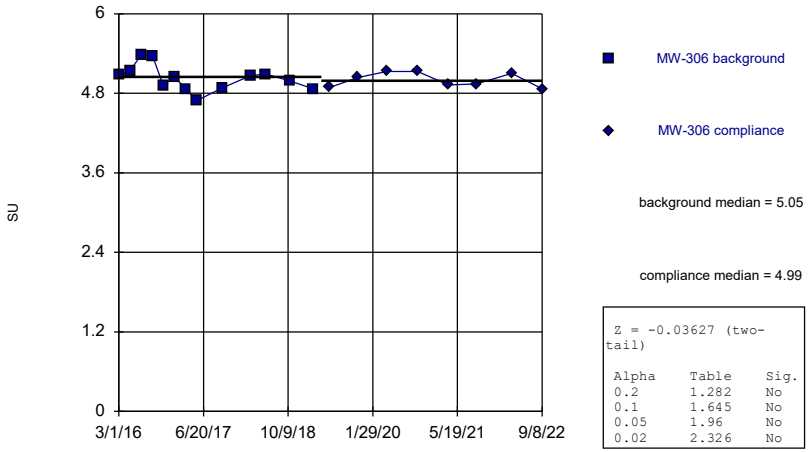
Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-306 (bg)



Z = -0.03627 (two-tail)

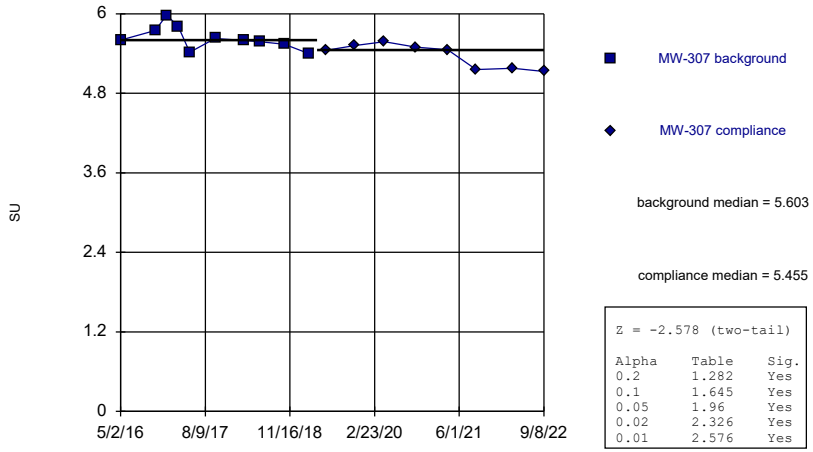
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-307 (bg)



Z = -2.578 (two-tail)

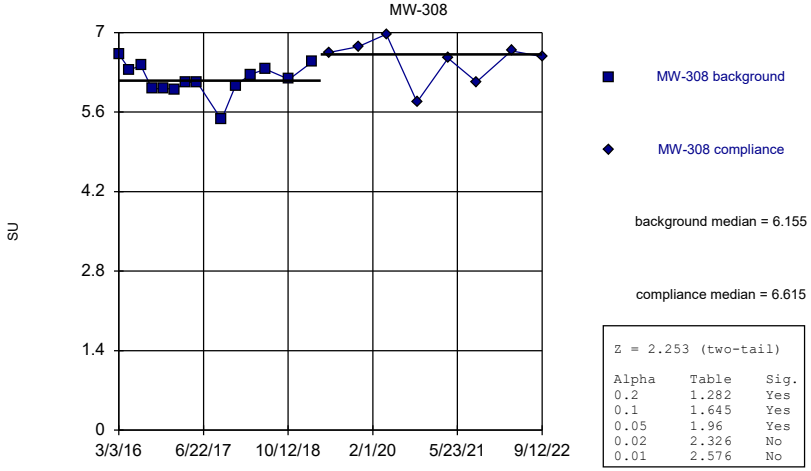
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Mann-Whitney (Wilcoxon Rank Sum)

MW-308



Z = 2.253 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Field pH Analysis Run 8/24/2023 11:43 AM View: 300 Series - Upgradient and Downgradient
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03
10/7/2020		4.74
3/29/2021		4.79
9/2/2021		4.81
3/22/2022		4.9
9/7/2022		4.72

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17
10/7/2020		5.08
3/29/2021		4.92
9/2/2021		5.07
3/22/2022		5.02
9/7/2022		4.89

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15
10/7/2020		4.91
3/29/2021		4.89
9/2/2021		4.87
3/22/2022		4.91
9/7/2022		4.92

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96
10/7/2020		4.8
3/29/2021		4.8
9/2/2021		4.77
3/22/2022		4.89
9/8/2022		4.78

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019		4.62
11/11/2019		4.77
4/18/2020		4.69
10/9/2020		4.6
3/31/2021		4.69
9/7/2021		4.52
3/24/2022		4.68
9/12/2022		4.64

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019		6.25
11/11/2019		6.68
4/18/2020		6.61
10/8/2020		6.68
4/1/2021		6.46
9/7/2021		6.56
3/24/2022		6.9
9/12/2022		6.76

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019		5.41
11/11/2019		5.18
4/18/2020		5.2
10/9/2020		6.49
4/1/2021		5.81
9/7/2021		5.1
3/24/2022		5.83
9/12/2022		6.13

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019		4.84
11/11/2019		4.9
4/18/2020		4.91
10/9/2020		4.93
4/1/2021		4.83
9/7/2021		4.68
3/24/2022		4.84
9/16/2022	3.8 (o)	

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13
10/7/2020		5.13
3/29/2021		4.93
9/2/2021		4.94
3/22/2022		5.1
9/8/2022		4.87

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58
10/7/2020		5.5
3/29/2021		5.46
9/2/2021		5.16
3/22/2022		5.18
9/8/2022		5.13

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:46 AM View: 300 Series - Upgradient and Downgradient pH

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019		6.65
11/11/2019		6.75
4/18/2020		6.97
10/8/2020		5.78
4/1/2021		6.55
9/7/2021		6.13
3/24/2022		6.68
9/12/2022		6.58

Upgradient Wells Trend Tests

Upgradient Wells Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upgradient Wells Trend Tests - All Results

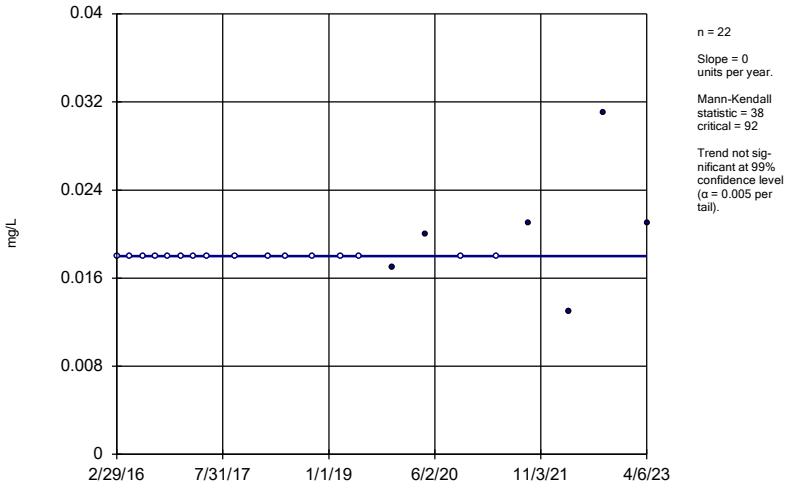
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 38 critical = 92

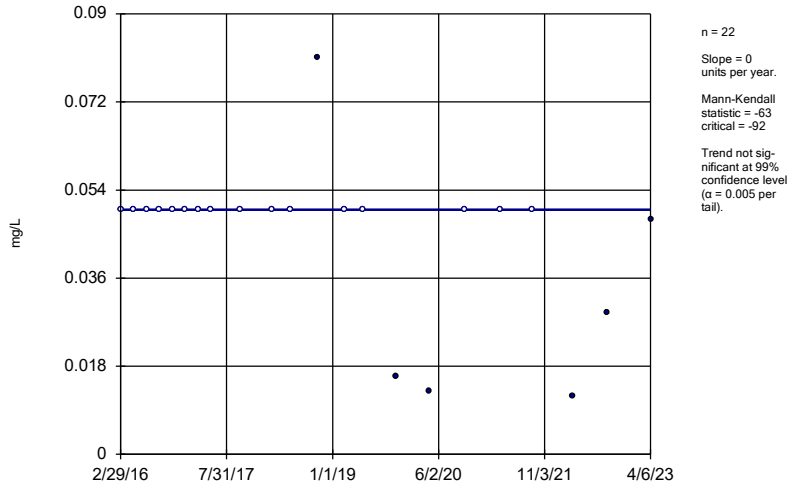
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -63 critical = -92

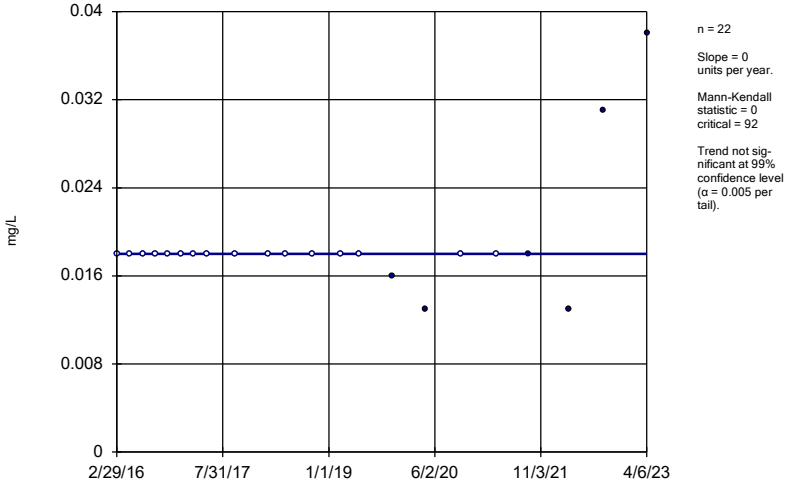
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

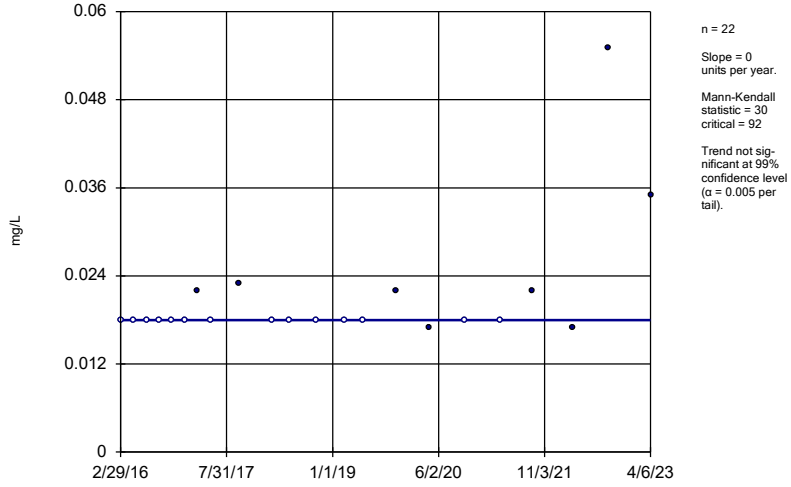
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 30 critical = 92

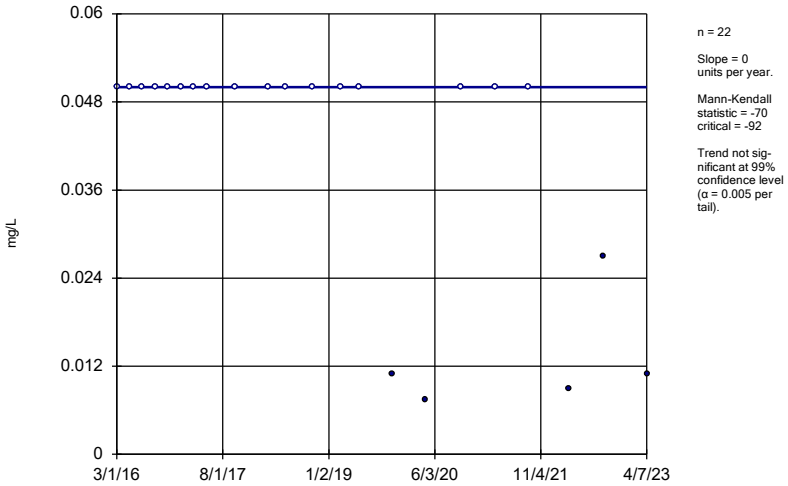
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -70 critical = -92

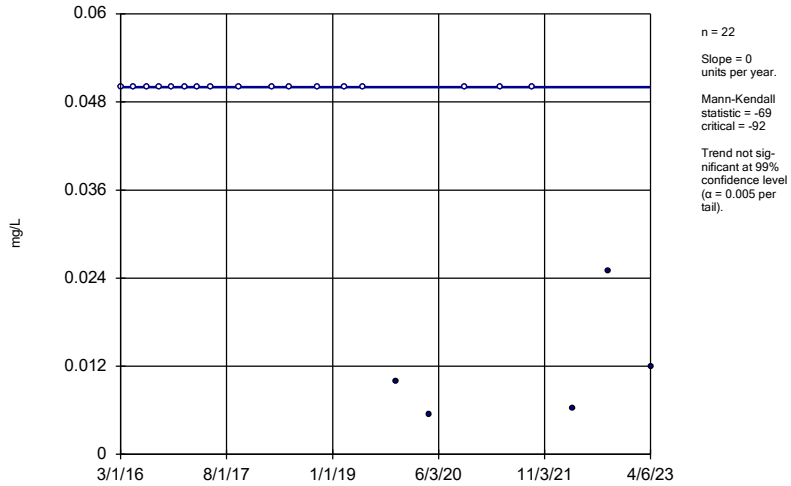
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -69 critical = -92

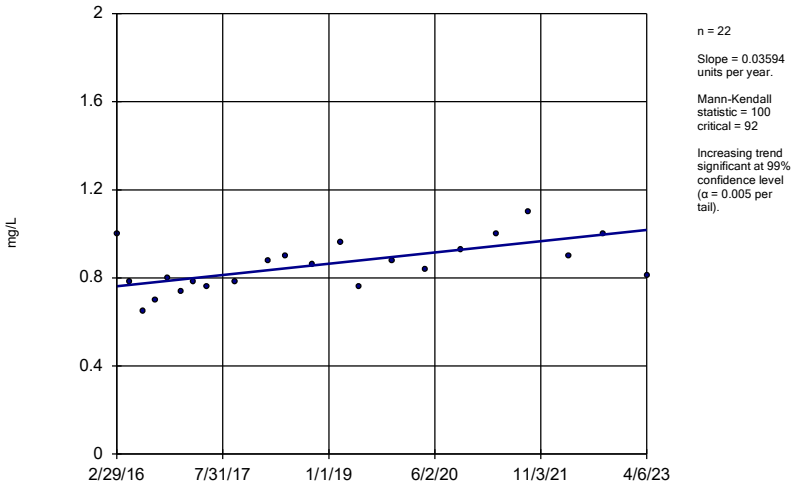
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.03594 units per year.

Mann-Kendall statistic = 100 critical = 92

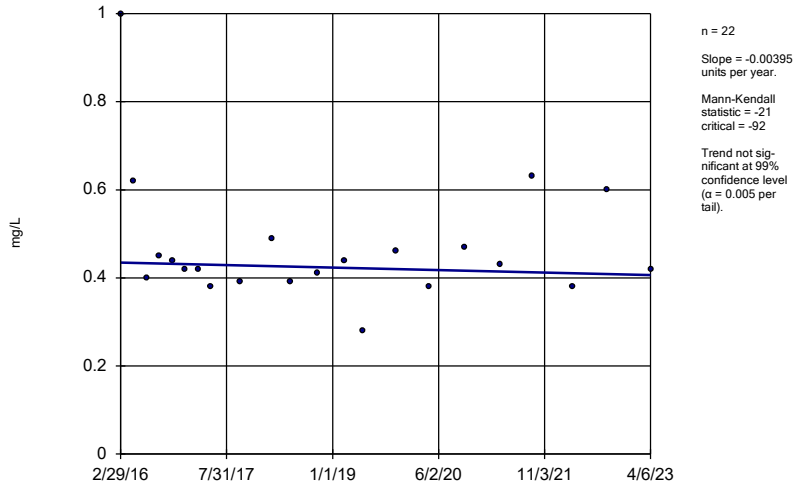
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.00395 units per year.

Mann-Kendall statistic = -21 critical = -92

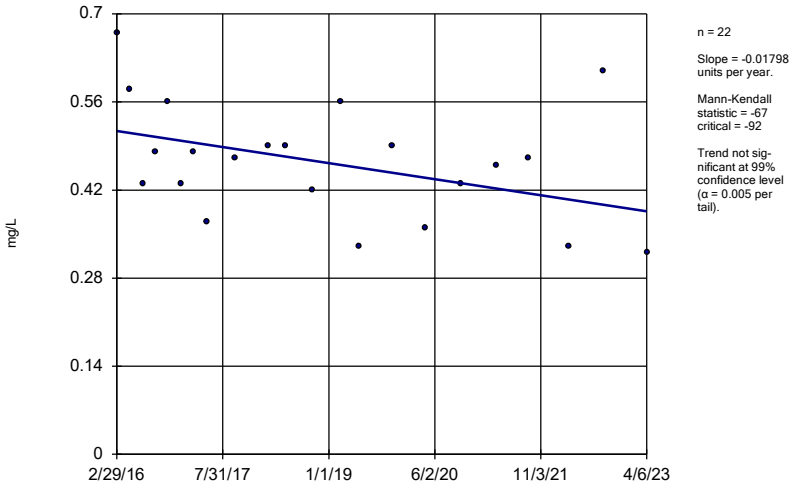
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.01798 units per year.

Mann-Kendall statistic = -67
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

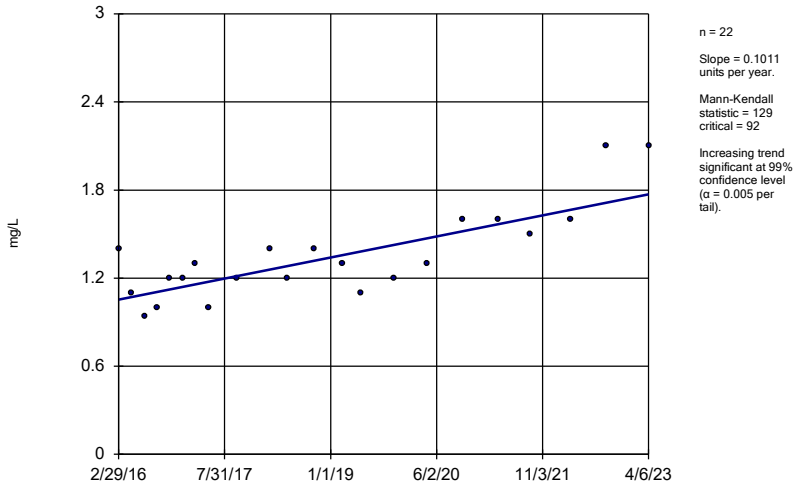
Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1011 units per year.

Mann-Kendall statistic = 129
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

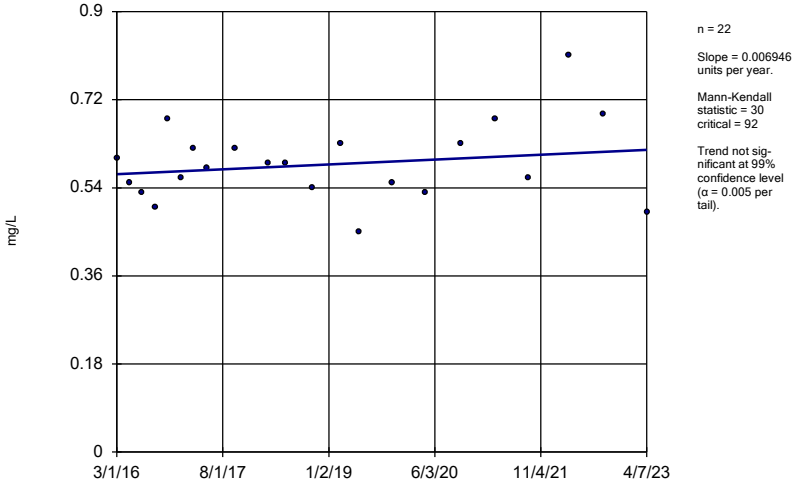
Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.006946 units per year.

Mann-Kendall statistic = 30
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

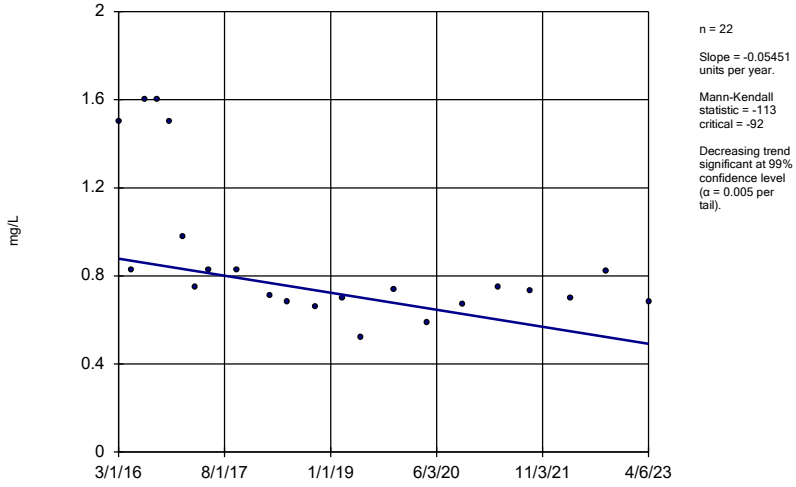
Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.05451 units per year.

Mann-Kendall statistic = -113
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

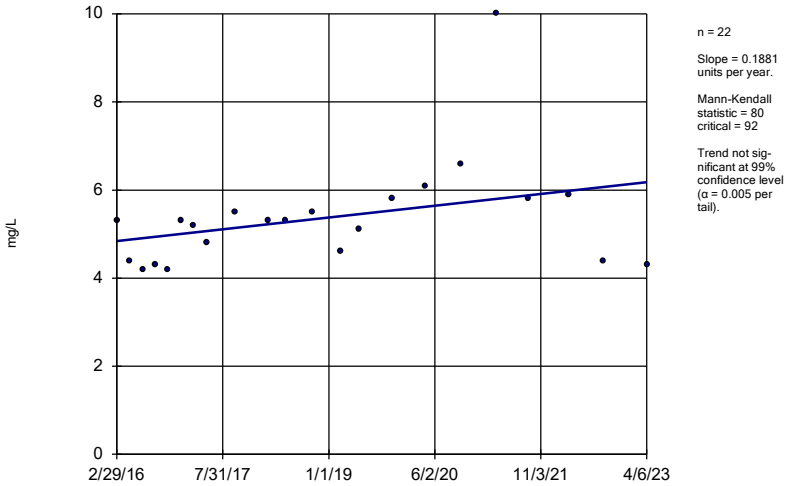
Constituent: Calcium Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.1881 units per year.

Mann-Kendall statistic = 80 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

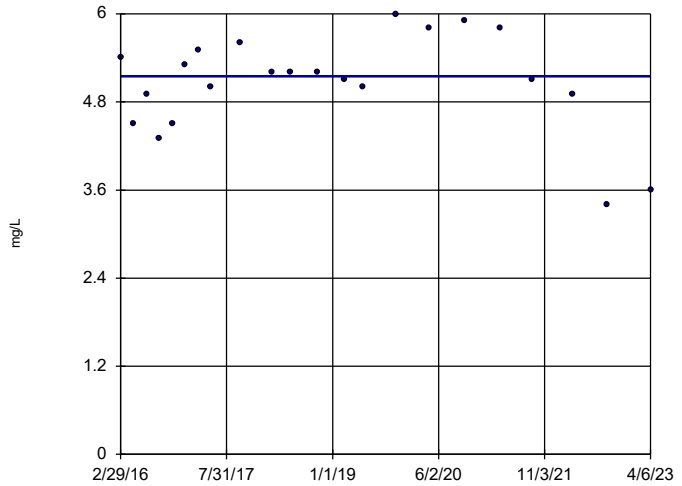
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

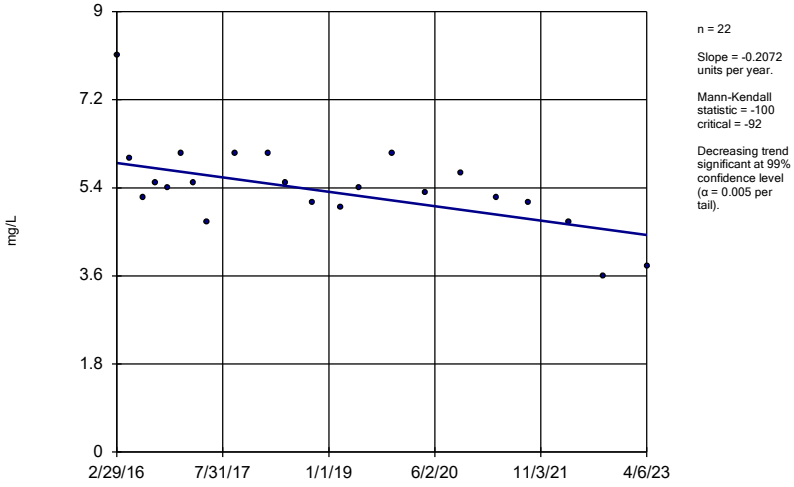
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.2072 units per year.

Mann-Kendall statistic = -100 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

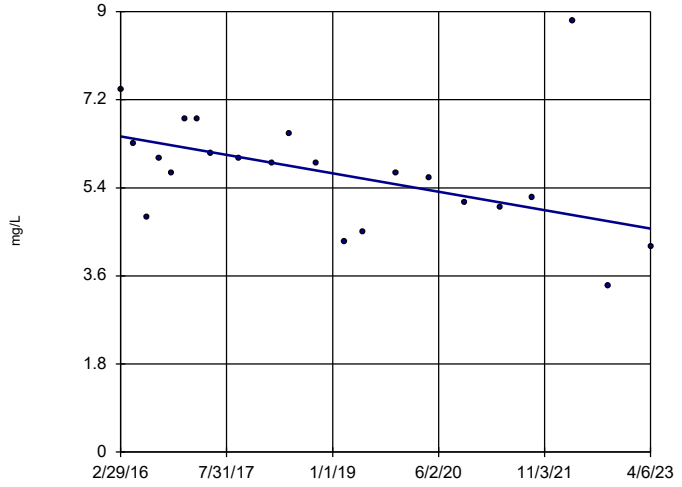
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = -0.2648 units per year.

Mann-Kendall statistic = -99 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

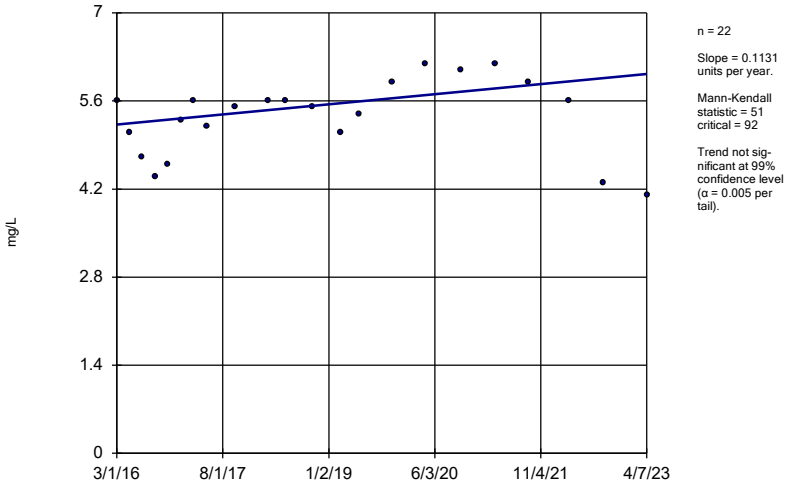
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.1131 units per year.

Mann-Kendall statistic = 51
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

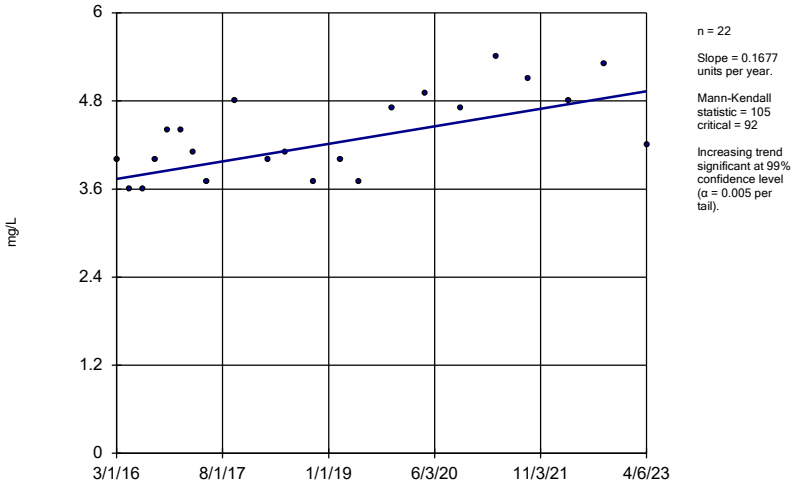
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.1677 units per year.

Mann-Kendall statistic = 105
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

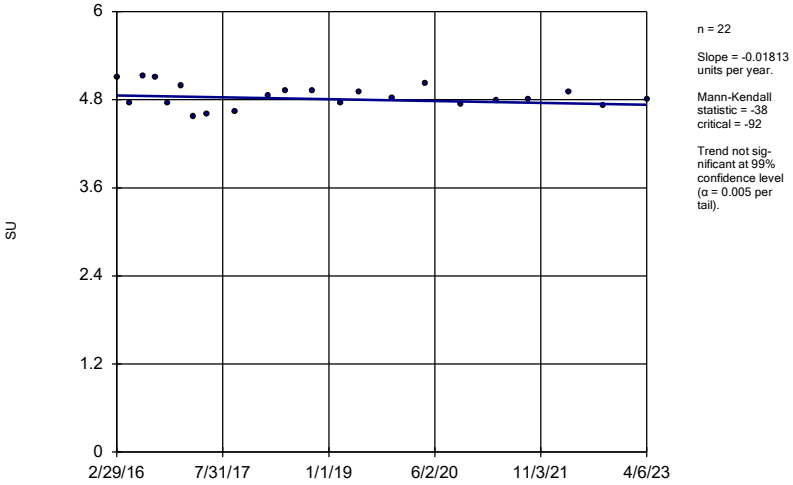
Constituent: Chloride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = -0.01813 units per year.

Mann-Kendall statistic = -38
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

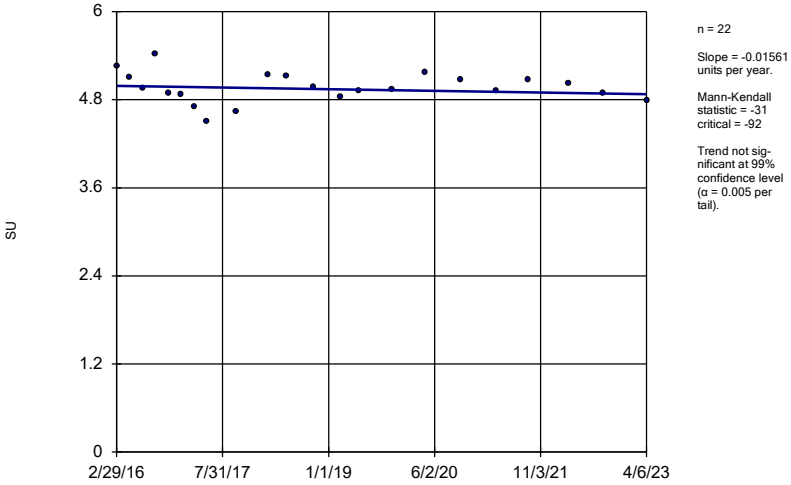
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.01561 units per year.

Mann-Kendall statistic = -31
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

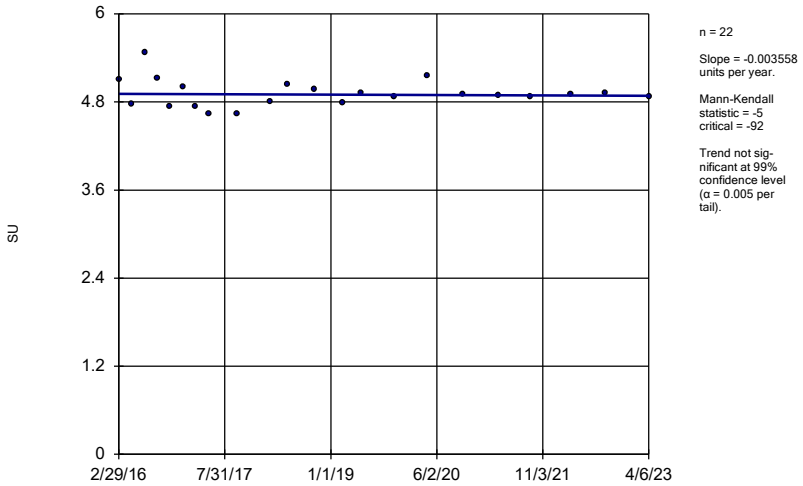
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.003558 units per year.

Mann-Kendall statistic = -5 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

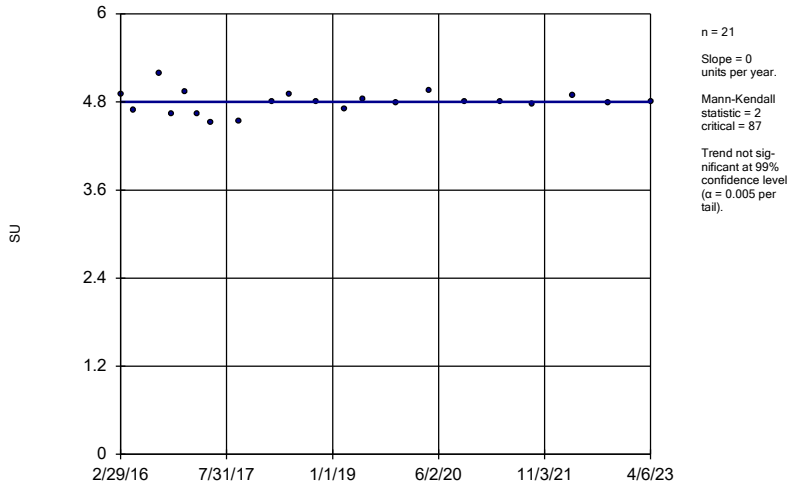
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

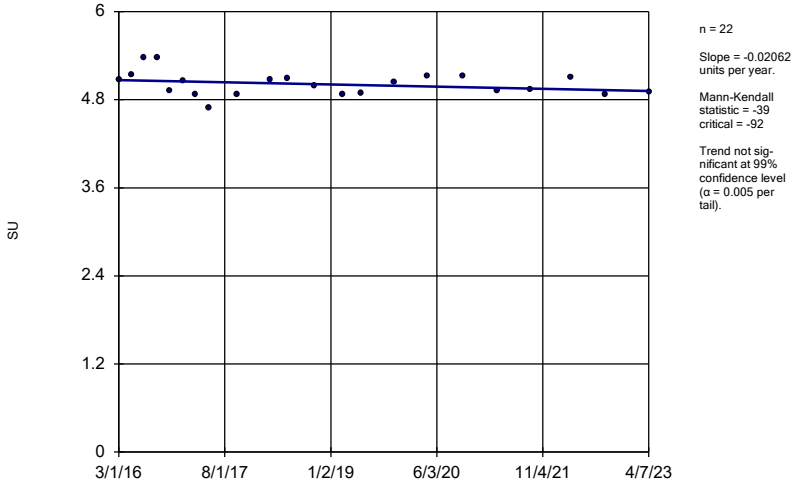
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = -0.02062 units per year.

Mann-Kendall statistic = -39 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

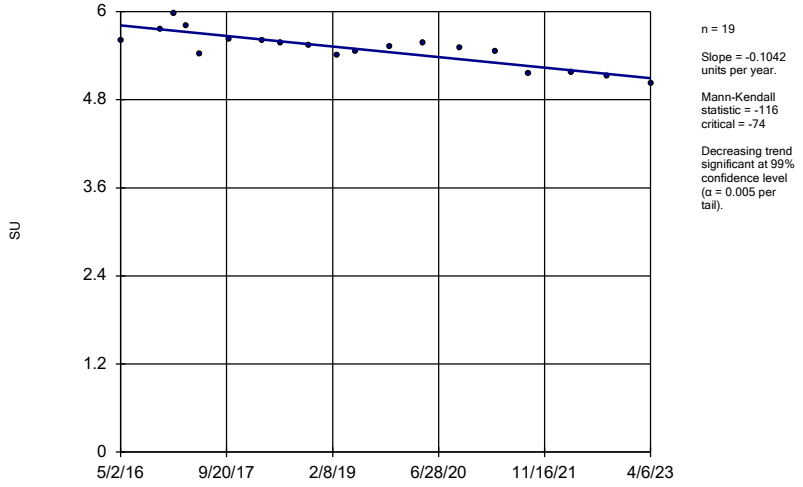
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 19

Slope = -0.1042 units per year.

Mann-Kendall statistic = -116 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

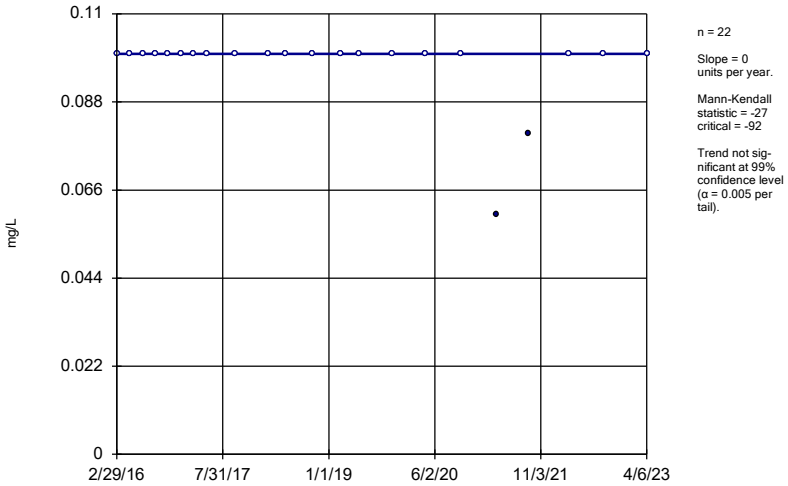
Constituent: Field pH Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -92

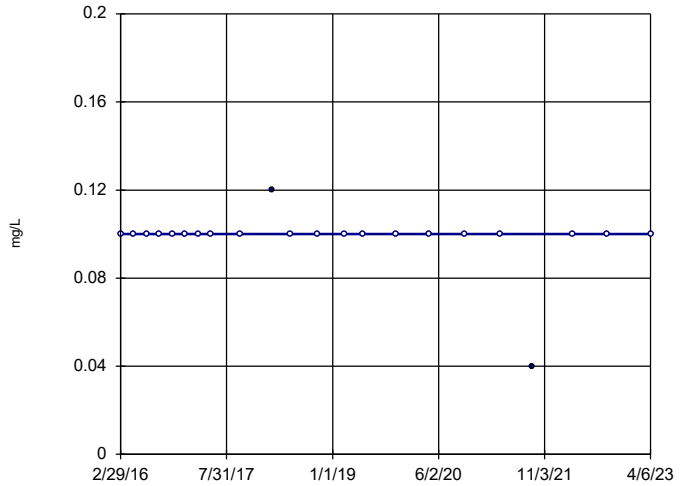
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -92

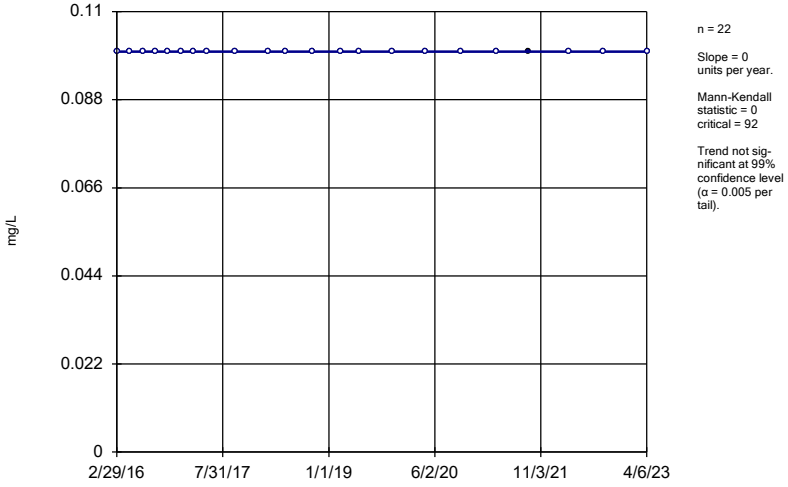
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 92

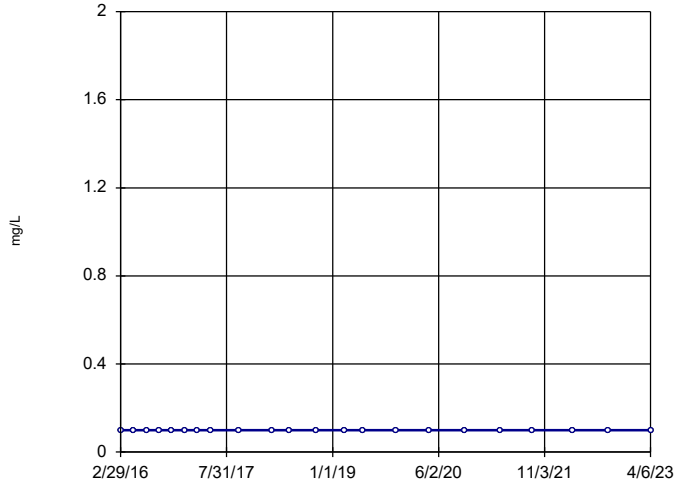
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 92

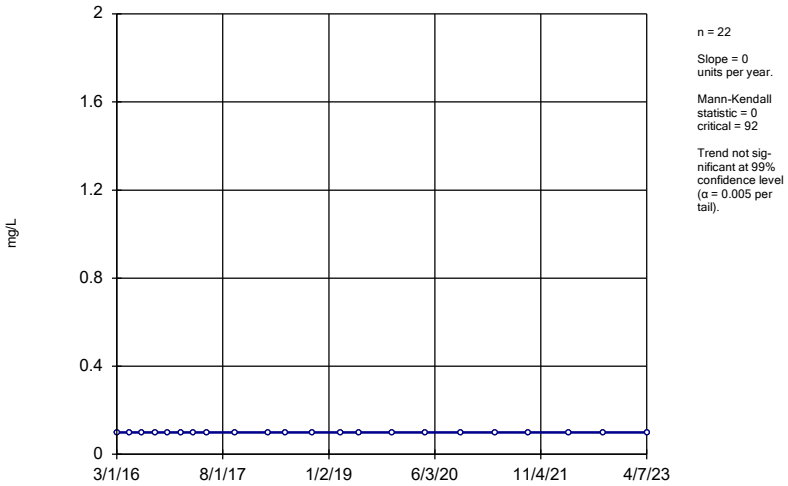
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

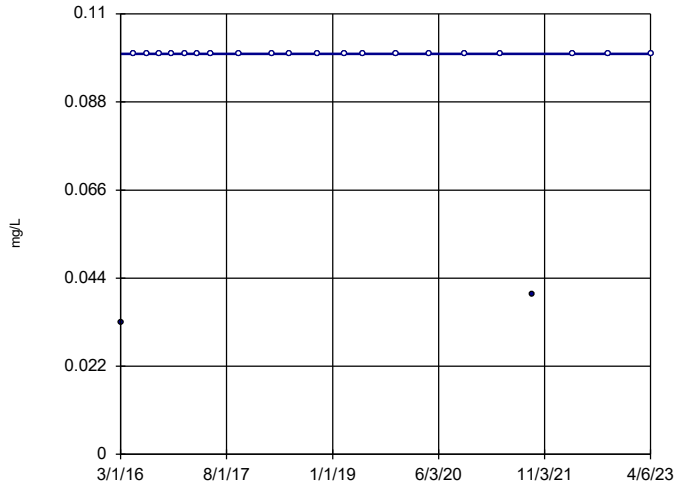
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

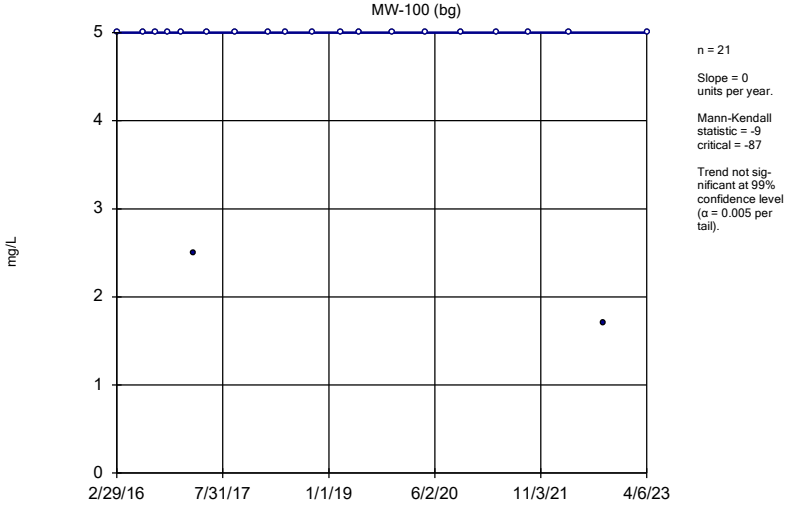
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -87

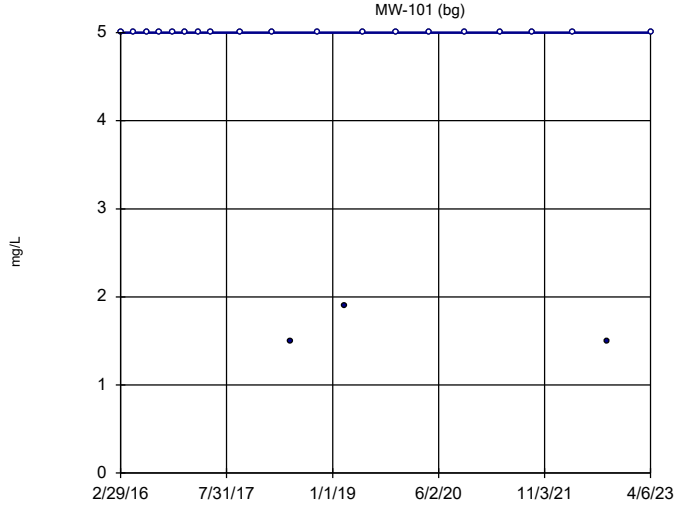
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -21 critical = -92

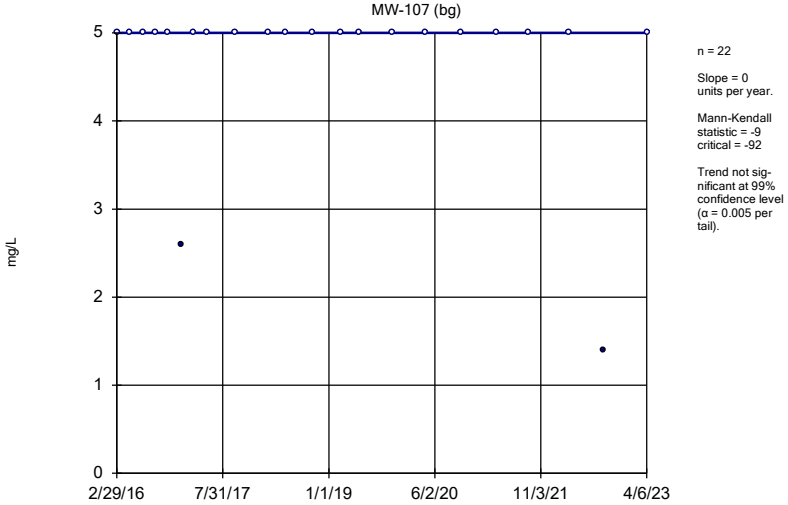
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -92

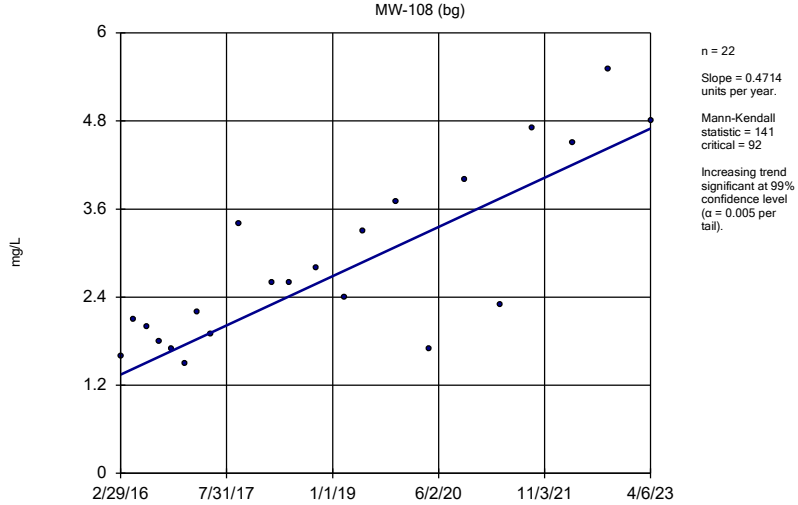
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.4714 units per year.

Mann-Kendall statistic = 141
critical = 92

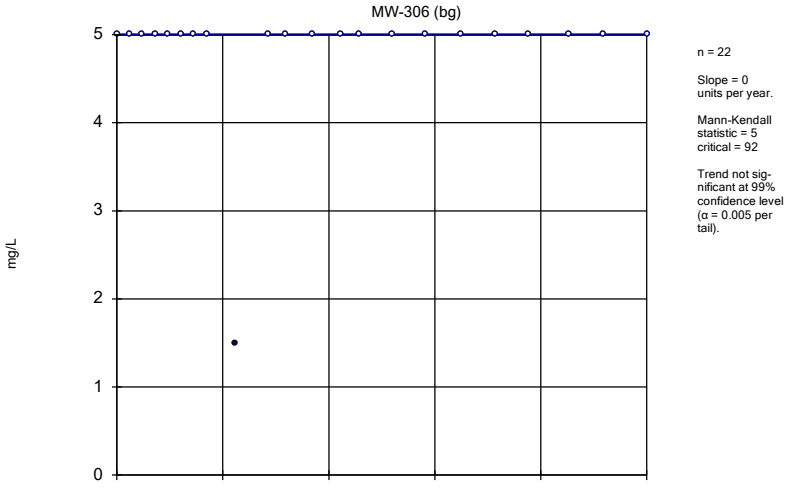
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 92

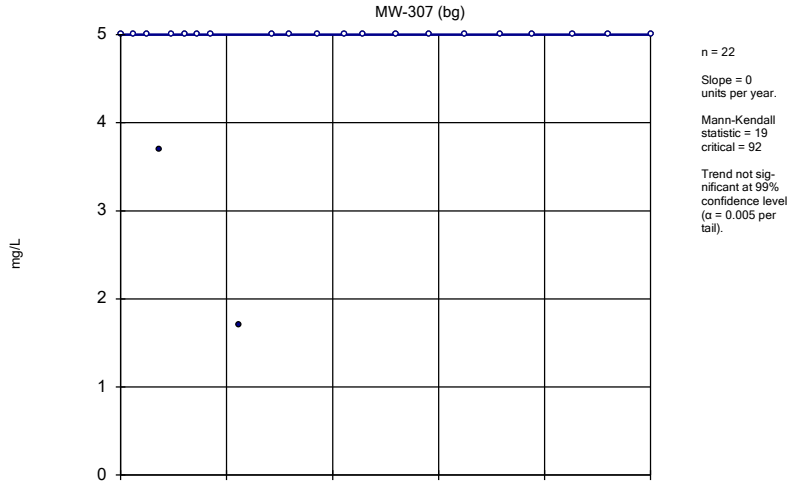
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 19
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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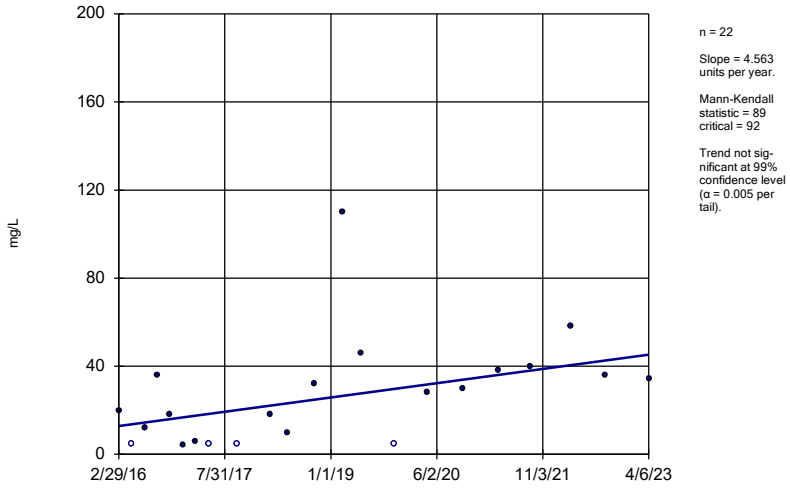
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 4.563 units per year.

Mann-Kendall statistic = 89
critical = 92

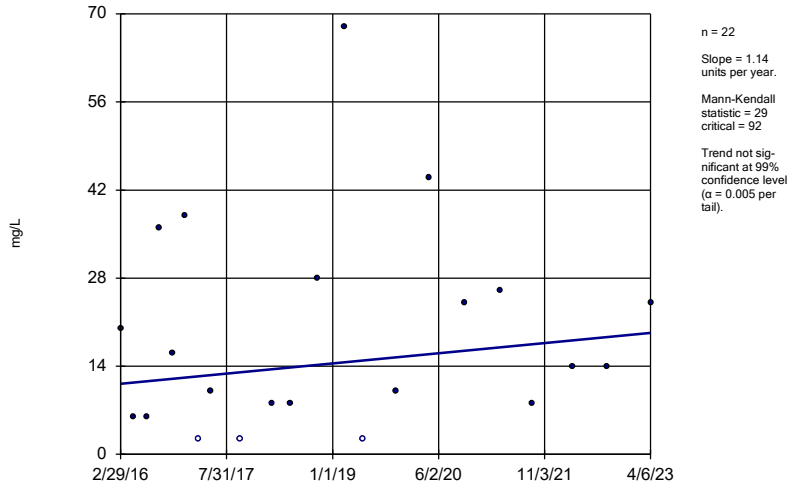
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 1.14 units per year.

Mann-Kendall statistic = 29
critical = 92

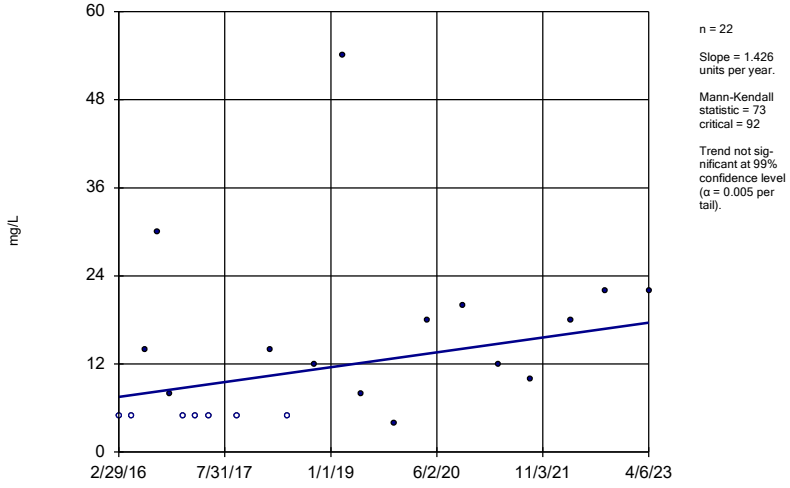
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 1.426 units per year.

Mann-Kendall statistic = 73
critical = 92

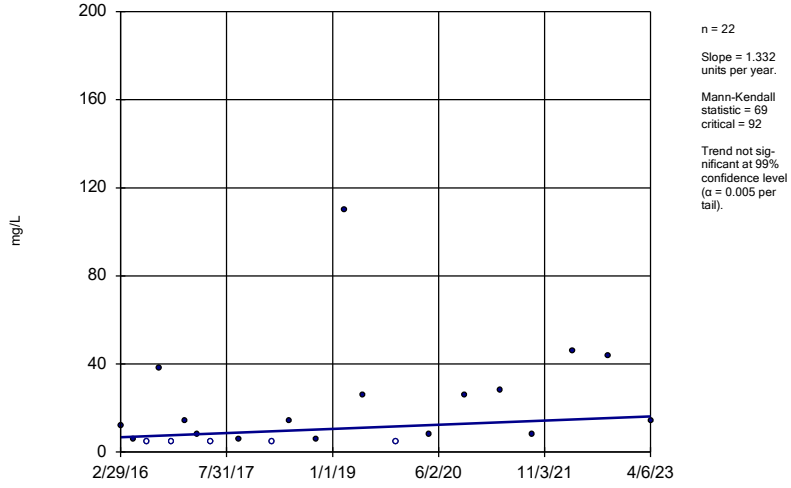
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 1.332 units per year.

Mann-Kendall statistic = 69
critical = 92

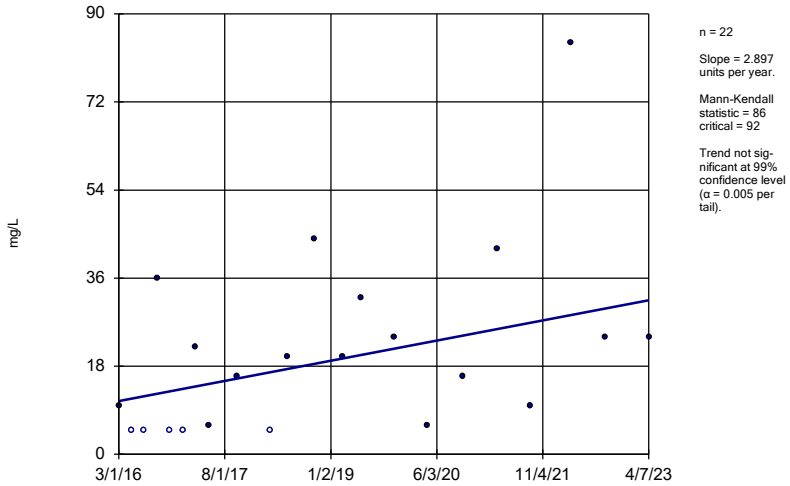
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 2.897 units per year.

Mann-Kendall statistic = 86
critical = 92

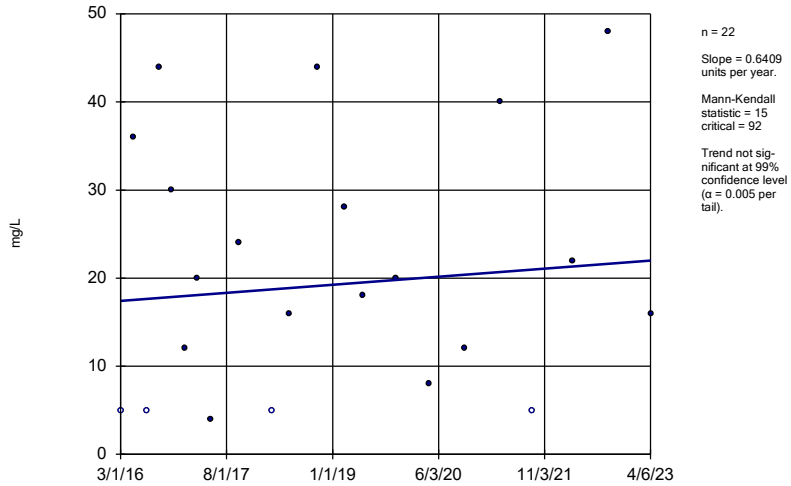
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.6409 units per year.

Mann-Kendall statistic = 15
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:12 PM View: 100 Series - Upgradient Wells
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limits - 100, 200 & 300 Series

100 Series

Appendix III - 100 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:16 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-103	0.081	n/a	4/10/2023	0.58	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	4/7/2023	13	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	4/7/2023	1.4	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	4/10/2023	0.16	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	4/10/2023	4.5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.579	n/a	4/10/2023	4.5	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.579	n/a	4/7/2023	93	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.579	n/a	4/7/2023	66	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.579	n/a	4/10/2023	3.7	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.579	n/a	4/10/2023	22	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	7.043	n/a	4/7/2023	120	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	7.043	n/a	4/7/2023	32	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	7.043	n/a	4/10/2023	8.2	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	7.043	n/a	4/10/2023	71	Yes	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	5.98	4.5	4/7/2023	4.1	Yes	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-105	5.98	4.5	4/7/2023	6.32	Yes	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	4/7/2023	0.31	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5.5	n/a	4/10/2023	34	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5.5	n/a	4/7/2023	780	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5.5	n/a	4/7/2023	110	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5.5	n/a	4/10/2023	15	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5.5	n/a	4/10/2023	180	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	4/7/2023	1100	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	4/7/2023	320	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	4/10/2023	540	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2

Appendix III - 100 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/23/2023, 3:16 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-102	0.081	n/a	4/10/2023	0.015J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**4/10/2023**	**0.58**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**4/7/2023**	**13**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**4/7/2023**	**1.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	4/7/2023	0.019J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**4/10/2023**	**0.16**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**4/10/2023**	**4.5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.579	n/a	4/10/2023	0.46	No	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.579**	**n/a**	**4/10/2023**	**4.5**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.579**	**n/a**	**4/7/2023**	**93**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.579**	**n/a**	**4/7/2023**	**66**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.579	n/a	4/7/2023	0.48	No	132	-0.3639	0.4401	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.579**	**n/a**	**4/10/2023**	**3.7**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.579**	**n/a**	**4/10/2023**	**22**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	7.043	n/a	4/10/2023	3.9	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	7.043	n/a	4/10/2023	6.3	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-104**	**7.043**	**n/a**	**4/7/2023**	**120**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**7.043**	**n/a**	**4/7/2023**	**32**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	7.043	n/a	4/7/2023	2.8	No	132	5.205	0.9861	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**7.043**	**n/a**	**4/10/2023**	**8.2**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**7.043**	**n/a**	**4/10/2023**	**71**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	5.98	4.5	4/10/2023	4.71	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	5.98	4.5	4/10/2023	4.92	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**5.98**	**4.5**	**4/7/2023**	**4.1**	**Yes**	**128**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002415**	**NP Inter (normality) 1 of 2**
Field pH (SU)	**MW-105**	**5.98**	**4.5**	**4/7/2023**	**6.32**	**Yes**	**128**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002415**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-106	5.98	4.5	4/7/2023	4.94	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	5.98	4.5	4/10/2023	4.87	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	5.98	4.5	4/10/2023	4.72	No	128	n/a	n/a	0	n/a	n/a	0.0002415	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**4/7/2023**	**0.31**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001137**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	4/7/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	4/7/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001137	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5.5	n/a	4/10/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5.5**	**n/a**	**4/10/2023**	**34**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5.5**	**n/a**	**4/7/2023**	**780**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5.5**	**n/a**	**4/7/2023**	**110**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5.5	n/a	4/7/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5.5**	**n/a**	**4/10/2023**	**15**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5.5**	**n/a**	**4/10/2023**	**180**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001155**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	4/10/2023	14	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	4/10/2023	100	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**4/7/2023**	**1100**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**4/7/2023**	**320**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	4/7/2023	26	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	4/10/2023	82	No	132	n/a	n/a	21.21	n/a	n/a	0.0001137	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**4/10/2023**	**540**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001137**	**NP Inter (normality) 1 of 2**

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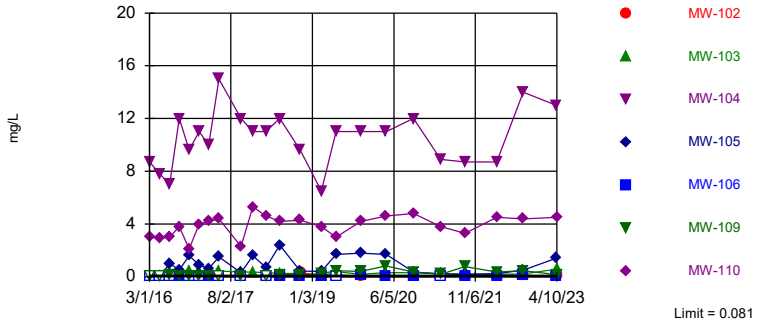
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 72.73% NDs. Annual per-constituent alpha = 0.001591. Individual comparison alpha = 0.0001137 (1 of 2). Comparing 7 points to limit.

Constituent: Boron Analysis Run 8/23/2023 3:14 PM View: 100 Series

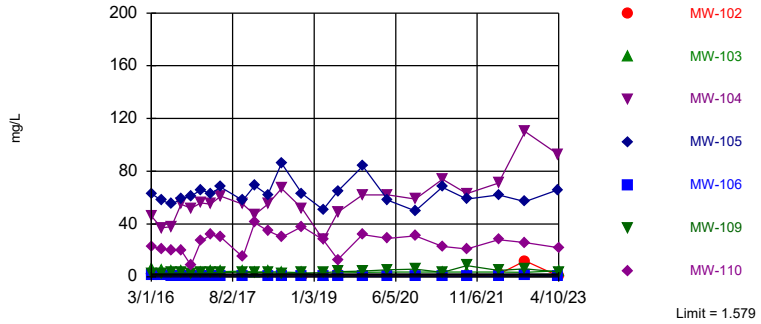
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3639, Std. Dev.=0.4401, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 8.606, critical = 14.07. Kappa = 1.865 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

Constituent: Calcium Analysis Run 8/23/2023 3:14 PM View: 100 Series

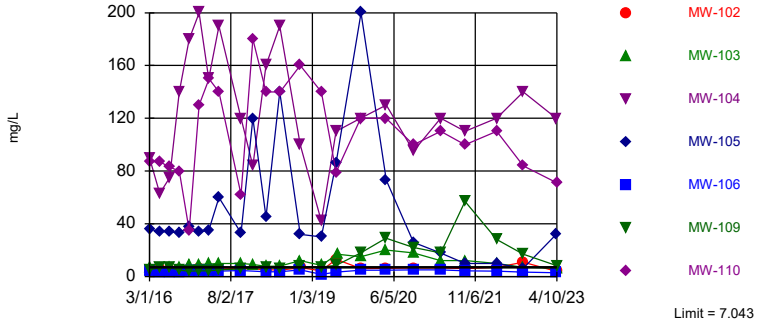
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Exceeds Limit: MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.205, Std. Dev.=0.9861, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 11.48, critical = 14.07. Kappa = 1.865 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

Constituent: Chloride Analysis Run 8/23/2023 3:14 PM View: 100 Series

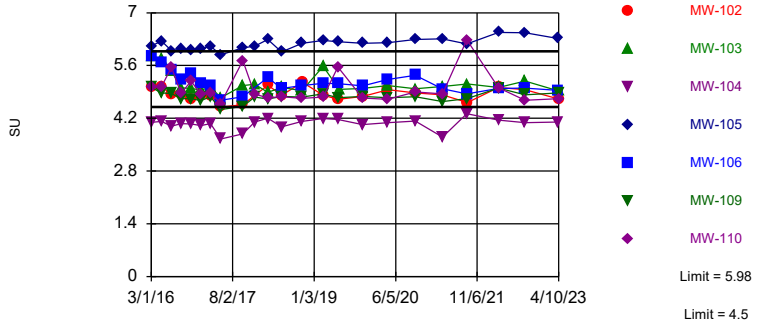
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Exceeds Limits: MW-104, MW-105

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 128 background values. Annual per-constituent alpha = 0.003379. Individual comparison alpha = 0.0002415 (1 of 2). Comparing 7 points to limit.

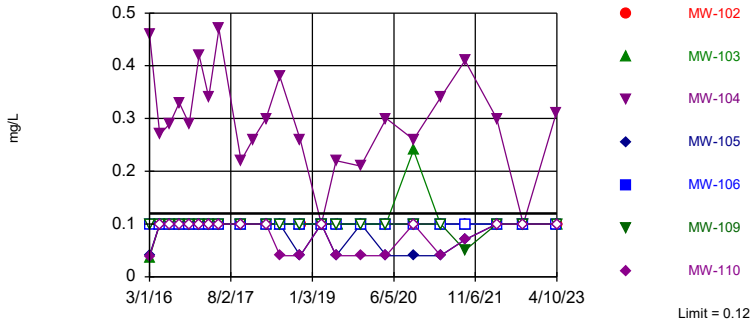
Constituent: Field pH Analysis Run 8/23/2023 3:14 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-104

Prediction Limit

Interwell Non-parametric



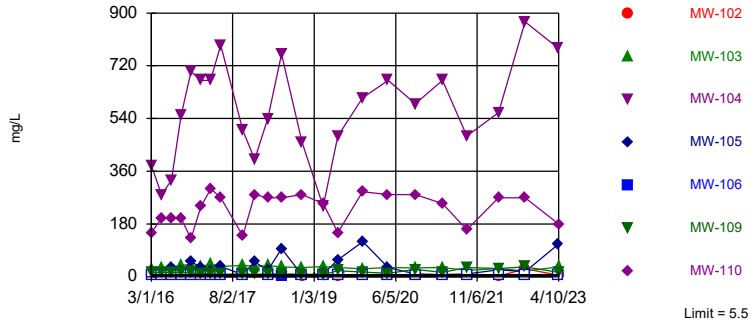
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 94.7% NDs. Annual per-constituent alpha = 0.001591. Individual comparison alpha = 0.0001137 (1 of 2). Comparing 7 points to limit.

Constituent: Fluoride Analysis Run 8/23/2023 3:14 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



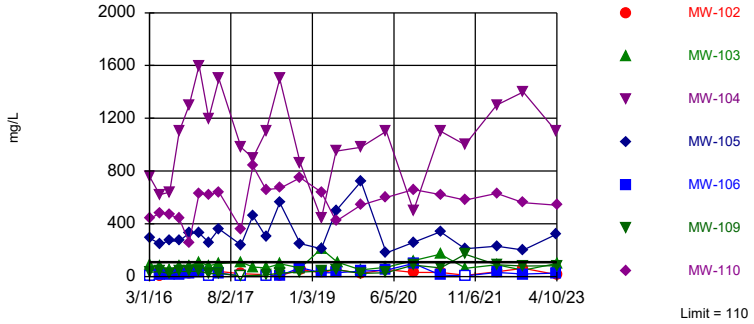
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 131 background values. 75.57% NDs. Annual per-constituent alpha = 0.001615. Individual comparison alpha = 0.0001155 (1 of 2). Comparing 7 points to limit.

Constituent: Sulfate Analysis Run 8/23/2023 3:14 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-104, MW-105, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 132 background values. 21.21% NDs. Annual per-constituent alpha = 0.001591. Individual comparison alpha = 0.0001137 (1 of 2). Comparing 7 points to limit.

Constituent: Total Dissolved Solids Analysis Run 8/23/2023 3:14 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05 (*)	8.7	<0.05 (*)	<0.05	<0.05
3/2/2016									
5/2/2016	<0.05	<0.05	<0.05						
5/3/2016									<0.05
5/4/2016				<0.05					
5/5/2016					<0.05 (*)	7.8	<0.05 (*)	<0.05	
7/5/2016	<0.05	<0.05	<0.05						<0.05
7/7/2016					1	7	0.33	<0.05	
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05
9/7/2016					0.53	12	0.37		
11/7/2016	<0.05	<0.05	<0.05						<0.05
11/9/2016					1.6	9.6			
11/10/2016				<0.05			0.43	<0.05	
1/9/2017	<0.05	<0.05	<0.05						<0.05
1/11/2017				<0.05	0.9	11			
1/12/2017							0.44	<0.05	
3/13/2017	<0.05	<0.05	0.022 (J)						<0.05
3/14/2017				<0.05	0.63	10			
3/15/2017							0.46	<0.05	
5/15/2017	<0.05	<0.05	<0.05						<0.05
5/18/2017				<0.05	1.5	15	0.44	<0.05	
10/2/2017	<0.05	<0.05	0.023 (J)						<0.05
10/5/2017				<0.05	0.32	12			
10/6/2017							0.37	<0.05	
12/19/2017					1.6 (R)	11 (R)	0.35 (R)		
3/12/2018	<0.05	<0.05	<0.05						<0.05
3/14/2018				<0.05	0.7	11	0.32	<0.05	
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018									<0.05
6/10/2018				<0.05	2.4	12			
6/11/2018							0.26	<0.05	
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018									<0.05
10/18/2018				0.081	0.43	9.6	0.25		
10/19/2018								0.34	
2/27/2019	<0.05	<0.05	<0.05	<0.05					<0.05
3/1/2019					0.4	6.5			
3/2/2019							<0.05	<0.05	
5/31/2019	<0.05	<0.05	<0.05	<0.05					<0.05
6/3/2019					1.7	11		0.17	
6/11/2019							0.39		
11/6/2019	0.017 (V)	0.016 (V)	0.022 (V)	0.016 (V)					0.011 (V)
11/7/2019						11	0.19		
11/9/2019					1.8			0.023 (J)	
4/16/2020	0.02	0.013	0.017	0.013					0.0075 (J)
4/17/2020							0.31		
4/18/2020					1.7	11		0.012	
10/7/2020	<0.05	<0.05	<0.05	<0.05					<0.05
10/8/2020					0.37	12	0.31	0.033 (J)	
10/9/2020									

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
3/29/2021	<0.05	<0.05	<0.05	<0.05					<0.05
3/30/2021					0.22		0.23	<0.05	
3/31/2021						8.9			
9/2/2021	0.021 (J)	0.018 (J)	0.022 (J)	<0.05					<0.05
9/3/2021					0.2	8.7			
9/7/2021							0.19	<0.05	
3/22/2022	0.013	0.013	0.017	0.012					0.009 (J)
3/23/2022					0.23	8.7		0.017	
3/24/2022							0.2		
9/7/2022	0.031 (J)	0.031 (J)		0.029 (J)					
9/8/2022			0.055						0.027 (J)
9/9/2022					0.5	14	0.22	0.13	
4/6/2023	0.021 (J)	0.038 (J)	0.035 (J)	0.048 (J)					
4/7/2023					1.4	13			0.011 (J)
4/10/2023							0.58	0.015 (J)	

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	<0.05	<0.05		
3/2/2016			<0.05 (*)	3
5/2/2016	<0.05			
5/3/2016				
5/4/2016		<0.05 (*)		
5/5/2016			<0.05 (*)	2.9
7/5/2016	<0.05			
7/7/2016			0.1	3
7/8/2016		<0.05		
9/6/2016	<0.05			
9/7/2016		0.022 (J)	0.073	3.8
11/7/2016	<0.05			
11/9/2016		<0.05		
11/10/2016			0.073	2.1
1/9/2017	<0.05			
1/11/2017		<0.05		
1/12/2017			0.059	4
3/13/2017	<0.05			
3/14/2017		0.071	0.044 (J)	
3/15/2017				4.2
5/15/2017	<0.05			
5/18/2017		<0.05 (*)	<0.05 (*)	4.4
10/2/2017	<0.05			
10/5/2017		<0.05	0.047 (J)	
10/6/2017				2.3
12/19/2017				5.3 (R)
3/12/2018	<0.05			
3/14/2018		<0.05	<0.05	4.6
6/5/2018				
6/6/2018	<0.05			
6/10/2018		0.066		
6/11/2018			0.11	4.2
10/16/2018				
10/17/2018	<0.05			
10/18/2018		0.067	0.15	4.3
10/19/2018				
2/27/2019	<0.05			
3/1/2019		0.048 (J)	0.23	3.8
3/2/2019				
5/31/2019	<0.05			
6/3/2019		<0.05	0.45	3
6/11/2019				
11/6/2019	0.0099 (J)			
11/7/2019			0.42	4.2
11/9/2019		0.097 (V)		
4/16/2020	0.0055 (J)			
4/17/2020		0.07	0.83	4.6
4/18/2020				
10/7/2020	<0.05			
10/8/2020		0.031 (J)		
10/9/2020			0.37	4.8

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
3/29/2021	<0.05			
3/30/2021		<0.05		
3/31/2021			0.2	3.8
9/2/2021	<0.05			
9/3/2021		0.021 (J)	0.77	3.3
9/7/2021				
3/22/2022	0.0063 (J)			
3/23/2022		0.0074 (J)	0.36	4.5
3/24/2022				
9/7/2022				
9/8/2022	0.025 (J)	0.097	0.45	
9/9/2022				4.4
4/6/2023	0.012 (J)			
4/7/2023		0.019 (J)		
4/10/2023			0.16	4.5

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-103	MW-105	MW-306 (bg)	MW-104
2/29/2016	1	1 (J)	1.4	0.67					
3/1/2016					1.5	5.6	63	0.6	46
3/2/2016									
5/2/2016	0.78		1.1	0.58	0.83				
5/3/2016								0.55	
5/4/2016		0.62							
5/5/2016						5.4	58		37
7/5/2016	0.65		0.94	0.43	1.6			0.53	
7/7/2016						3.9	55		38
7/8/2016		0.4							
9/6/2016	0.7	0.45	1	0.48	1.6			0.5	
9/7/2016						4.2	59		55
11/7/2016	0.8		1.2	0.56	1.5			0.68	
11/9/2016							61		52
11/10/2016		0.44				3.5			
1/9/2017	0.74		1.2	0.43	0.98			0.56	
1/11/2017		0.42					66		56
1/12/2017						3.3			
3/13/2017	0.78		1.3	0.48	0.75			0.62	
3/14/2017		0.42					63		55
3/15/2017						4.1			
5/15/2017	0.76		1	0.37	0.83			0.58	
5/18/2017		0.38				3.9	68		61
10/2/2017	0.78		1.2	0.47	0.83			0.62	
10/5/2017		0.39					58		55
10/6/2017						4.3			
12/19/2017						3.7 (R)	69 (R)		47 (R)
3/12/2018	0.88		1.4	0.49	0.71			0.59	
3/14/2018		0.49				3.9	62		55
6/5/2018	0.9		1.2	0.49					
6/6/2018					0.68			0.59	
6/10/2018		0.39					86		67
6/11/2018						3.5			
10/16/2018	0.86		1.4	0.42					
10/17/2018					0.66			0.54	
10/18/2018		0.41				3.1	63		52
10/19/2018									
2/27/2019	0.96	0.44	1.3	0.56	0.7			0.63	
3/1/2019							51		28
3/2/2019						0.56			
5/31/2019	0.76	0.28	1.1	0.33	0.52			0.45	
6/3/2019							65		49
6/11/2019						3.5			
11/6/2019	0.88	0.46	1.2	0.49	0.74			0.55	
11/7/2019						3.4			62
11/9/2019							84		
4/16/2020	0.84	0.38	1.3	0.36	0.59			0.53	
4/17/2020						3.5			
4/18/2020							58		62
10/7/2020	0.93	0.47	1.6	0.43	0.67			0.63	
10/8/2020						3.7	50		59
10/9/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-103	MW-105	MW-306 (bg)	MW-104
3/29/2021	1	0.43	1.6	0.46	0.75			0.68	
3/30/2021						3.6	68		
3/31/2021									74
9/2/2021	1.1	0.63	1.5	0.47	0.73			0.56	
9/3/2021							59		63
9/7/2021						3.5			
3/22/2022	0.9	0.38	1.6	0.33	0.7			0.81	
3/23/2022							62		71
3/24/2022						3.6			
9/7/2022	1	0.6		0.61					
9/8/2022			2.1		0.82			0.69	
9/9/2022						3.3	57		110
4/6/2023	0.81	0.42	2.1	0.32	0.68				
4/7/2023							66	0.49	93
4/10/2023						4.5			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-106	MW-102	MW-109	MW-110
2/29/2016				
3/1/2016	1.8	0.99 (J)		
3/2/2016			2	23
5/2/2016				
5/3/2016				
5/4/2016	1.1			
5/5/2016		1.2	2.6	21
7/5/2016				
7/7/2016		1.1	2.9	20
7/8/2016	0.82			
9/6/2016		1		
9/7/2016	0.57		3.1	20
11/7/2016				
11/9/2016	0.62			
11/10/2016		0.73	2.7	8.7
1/9/2017				
1/11/2017	0.44			
1/12/2017		0.63	2.9	27
3/13/2017				
3/14/2017	0.46		3.1	
3/15/2017		0.72		32
5/15/2017				
5/18/2017	0.41	0.71	3	30
10/2/2017				
10/5/2017	0.39		3.7	
10/6/2017		0.56		15
12/19/2017			3.1 (R)	41 (R)
3/12/2018				
3/14/2018	0.47	0.63	3.1	35
6/5/2018				
6/6/2018				
6/10/2018	0.39			
6/11/2018		0.55	2.6	30
10/16/2018				
10/17/2018				
10/18/2018	0.47		2.8	38
10/19/2018		0.37		
2/27/2019				
3/1/2019	0.46		3.1	28
3/2/2019		0.57		
5/31/2019				
6/3/2019	0.38	2	3.9	13
6/11/2019				
11/6/2019				
11/7/2019			4.3	32
11/9/2019	0.56 (V)	0.61 (V)		
4/16/2020				
4/17/2020	0.42		5.2	29
4/18/2020		0.45		
10/7/2020				
10/8/2020	0.51	0.67		
10/9/2020			5.9	31

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-106	MW-102	MW-109	MW-110
3/29/2021				
3/30/2021	0.49	0.47		
3/31/2021			3.3	23
9/2/2021				
9/3/2021	0.51		8.4	21
9/7/2021		0.39		
3/22/2022				
3/23/2022	0.48	2	4.8	28
3/24/2022				
9/7/2022				
9/8/2022	1.6		6	
9/9/2022		12		26
4/6/2023				
4/7/2023	0.48			
4/10/2023		0.46	3.7	22

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	5.3	8.1	7.4	5.4					
3/1/2016					36	90	6.6	4.8	5.6
3/2/2016									
5/2/2016	4.4	6	6.3						
5/3/2016									5.1
5/4/2016				4.5					
5/5/2016					34	63	6.5	5.6	
7/5/2016	4.2	5.2	4.8						4.7
7/7/2016					34	75	7.3	5	
7/8/2016				4.9					
9/6/2016	4.3	5.5	6	4.3				4.8	4.4
9/7/2016					33	140	7.4		
11/7/2016	4.2	5.4	5.7						4.6
11/9/2016					38	180			
11/10/2016				4.5			8.4	4.7	
1/9/2017	5.3	6.1	6.8						5.3
1/11/2017				5.3	34	200			
1/12/2017							9.2	5.6	
3/13/2017	5.2	5.5	6.8						5.6
3/14/2017				5.5	35	150			
3/15/2017							9.5	5.9	
5/15/2017	4.8	4.7	6.1						5.2
5/18/2017				5	60	190	9.9	5.7	
10/2/2017	5.5	6.1	6						5.5
10/5/2017				5.6	33	120			
10/6/2017							10	6	
12/19/2017					120 (R)	84 (R)	9.3 (R)		
3/12/2018	5.3	6.1	5.9						5.6
3/14/2018				5.2	45	160	7.7	5.2	
6/5/2018	5.3	5.5	6.5						
6/6/2018									5.6
6/10/2018				5.2	140	190			
6/11/2018							8	4.9	
10/16/2018	5.5	5.1	5.9						
10/17/2018									5.5
10/18/2018				5.2	32	100	12		
10/19/2018								6.7	
2/27/2019	4.6	5	4.3	5.1					5.1
3/1/2019					30	42			
3/2/2019							8.5	4.4	
5/31/2019	5.1	5.4	4.5	5					5.4
6/3/2019					86	110		13	
6/11/2019							17		
11/6/2019	5.8	6.1	5.7	6					5.9
11/7/2019						120	15		
11/9/2019					200			6.1	
4/16/2020	6.1	5.3	5.6	5.8					6.2
4/17/2020							20		
4/18/2020					73	130		6.3	
10/7/2020	6.6	5.7	5.1	5.9					6.1
10/8/2020					26	95	18	6.4	
10/9/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
3/29/2021	10	5.2	5	5.8					6.2
3/30/2021					18		12	6.4	
3/31/2021						120			
9/2/2021	5.8	5.1	5.2	5.1					5.9
9/3/2021					10	110			
9/7/2021							12	6.1	
3/22/2022	5.9	4.7	8.8	4.9					5.6
3/23/2022					10	120		6.9	
3/24/2022							9.8		
9/7/2022	4.4	3.6		3.4					
9/8/2022			3.4						4.3
9/9/2022					6.2	140	6.9	11	
4/6/2023	4.3	3.8	4.2	3.6					
4/7/2023					32	120			4.1
4/10/2023							6.3	3.9	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	4	4.4		
3/2/2016			5	87
5/2/2016	3.6			
5/3/2016				
5/4/2016		3		
5/5/2016			6.8	87
7/5/2016	3.6			
7/7/2016			6.7	83
7/8/2016		3.5		
9/6/2016	4			
9/7/2016		3.3	4.8	80
11/7/2016	4.4			
11/9/2016		3.9		
11/10/2016			4.2	35
1/9/2017	4.4			
1/11/2017		4.1		
1/12/2017			4.4	130
3/13/2017	4.1			
3/14/2017		4	4.4	
3/15/2017				150
5/15/2017	3.7			
5/18/2017		4	5	140
10/2/2017	4.8			
10/5/2017		4.5	5.8	
10/6/2017				62
12/19/2017				180 (R)
3/12/2018	4			
3/14/2018		3.7	6.9	140
6/5/2018				
6/6/2018	4.1			
6/10/2018		3.6		
6/11/2018			6	140
10/16/2018				
10/17/2018	3.7			
10/18/2018		5	7.5	160
10/19/2018				
2/27/2019	4			
3/1/2019		1.7 (J)	7.2	140
3/2/2019				
5/31/2019	3.7			
6/3/2019		3.3	8.5	79
6/11/2019				
11/6/2019	4.7			
11/7/2019			18	120
11/9/2019		4.7		
4/16/2020	4.9			
4/17/2020		4.8	29	120
4/18/2020				
10/7/2020	4.7			
10/8/2020		5		
10/9/2020			22	100

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
3/29/2021	5.4			
3/30/2021		5		
3/31/2021			18	110
9/2/2021	5.1			
9/3/2021		4.4	57	100
9/7/2021				
3/22/2022	4.8			
3/23/2022		4.1	28	110
3/24/2022				
9/7/2022				
9/8/2022	5.3	3.3	17	
9/9/2022				84
4/6/2023	4.2			
4/7/2023		2.8		
4/10/2023			8.2	71

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-106	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	5.11	5.11	4.9	5.26					
3/1/2016					5.84	4.09	5.86	5.03	5.08
3/2/2016									
5/2/2016	4.76	4.77	4.69						
5/3/2016									5.14
5/4/2016				5.1	5.69				
5/5/2016						4.12	5.77	5.03	
7/5/2016	5.12	5.48	7.11 (o)						5.38
7/7/2016						3.99	5.45	4.85	
7/8/2016				4.96	5.49				
9/6/2016	5.11	5.12	5.19	5.43				4.84	5.37
9/7/2016					5.22	4.06	5.01		
11/7/2016	4.76	4.73	4.64						4.92
11/9/2016					5.39	4.05			
11/10/2016				4.89			4.99	4.72	
1/9/2017	4.99	5	4.94						5.05
1/11/2017				4.87	5.12	4.01			
1/12/2017							4.95	4.79	
3/13/2017	4.57	4.74	4.63						4.87
3/14/2017				4.71	5.05	4.06			
3/15/2017							5.03	4.81	
5/15/2017	4.6	4.63	4.52						4.69
5/18/2017				4.5	4.68	3.65	4.75	4.5	
10/2/2017	4.64	4.63	4.54						4.88
10/5/2017				4.63	4.77	3.79			
10/6/2017							5.07	4.56	
12/19/2017						4.1 (R)	5.1 (R)		
3/12/2018	4.85	4.81	4.81						5.07
3/14/2018				5.14	5.28	4.2	4.89	5.08	
6/5/2018	4.92	5.04	4.9						
6/6/2018									5.09
6/10/2018				5.12	4.99	3.97			
6/11/2018							5.02	4.81	
10/16/2018	4.93	4.98	4.81						
10/17/2018									4.99
10/18/2018				4.97	5.07	4.12	4.93		
10/19/2018								5.15	
2/27/2019	4.75	4.78	4.71	4.84					4.87
3/1/2019					5.13	4.19			
3/2/2019							5.58	4.81	
5/31/2019	4.9	4.92	4.84	4.92					4.89
6/3/2019					5.12	4.17		4.7	
6/11/2019							4.97		
11/6/2019	4.82	4.88	4.78	4.94					5.04
11/7/2019						4.03	4.99		
11/9/2019					5.06			4.78	
4/16/2020	5.03	5.15	4.96	5.17					5.13
4/17/2020					5.23		5.07		
4/18/2020						4.08		4.96	
10/7/2020	4.74	4.91	4.8	5.08					5.13
10/8/2020					5.34	4.13	4.98	4.87	
10/9/2020									

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-106	MW-104	MW-103	MW-102	MW-306 (bg)
3/29/2021	4.79	4.89	4.8	4.92					4.93
3/30/2021					4.98		5.04	4.82	
3/31/2021						3.7			
9/2/2021	4.81	4.87	4.77	5.07					4.94
9/3/2021					4.85	4.32			
9/7/2021							5.11	4.62	
3/22/2022	4.9	4.91	4.89	5.02					5.1
3/23/2022					4.99	4.15		5.02	
3/24/2022							5.02		
9/7/2022	4.72	4.92		4.89					
9/8/2022			4.78		5				4.87
9/9/2022						4.08	5.19	4.96	
4/6/2023	4.8	4.88	4.8	4.79					
4/7/2023					4.94	4.1			4.9
4/10/2023							4.92	4.71	

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-105	MW-110	MW-109	MW-307 (bg)
2/29/2016				
3/1/2016	6.12			6.37 (o)
3/2/2016		5.015 (D)	5.015 (D)	
5/2/2016				5.605 (D)
5/3/2016				
5/4/2016				
5/5/2016	6.25	5.04	4.87	
7/5/2016				6.29 (o)
7/7/2016	5.99	5.55	4.86	
7/8/2016				
9/6/2016				6.42 (o)
9/7/2016	6.03	4.86	4.72	
11/7/2016				5.75
11/9/2016	6.01			
11/10/2016		5.19	4.72	
1/9/2017				5.98
1/11/2017	6.04			
1/12/2017		4.84	4.67	
3/13/2017				5.81
3/14/2017	6.11		4.77	
3/15/2017		4.86		
5/15/2017				5.42
5/18/2017	5.88	4.59	4.43	
10/2/2017				5.63
10/5/2017	6.07		4.52	
10/6/2017		5.73		
12/19/2017	6.11 (R)	4.84 (R)	4.76 (R)	
3/12/2018				5.6
3/14/2018	6.29	4.75	4.71	
6/5/2018				
6/6/2018				5.58
6/10/2018	5.96			
6/11/2018		4.77	4.78	
10/16/2018				
10/17/2018				5.54
10/18/2018	6.19	4.73	4.76	
10/19/2018				
2/27/2019				5.4
3/1/2019	6.27	4.76	4.85	
3/2/2019				
5/31/2019				5.45
6/3/2019	6.23	5.56	4.75	
6/11/2019				
11/6/2019				5.52
11/7/2019		4.74	4.78	
11/9/2019	6.19			
4/16/2020				5.58
4/17/2020		4.7	4.75	
4/18/2020	6.21			
10/7/2020				5.5
10/8/2020	6.29			
10/9/2020		4.9	4.77	

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-105	MW-110	MW-109	MW-307 (bg)
3/29/2021				5.46
3/30/2021	6.31			
3/31/2021		4.85	4.64	
9/2/2021				5.16
9/3/2021	6.17	6.28	4.72	
9/7/2021				
3/22/2022				5.18
3/23/2022	6.48	5.01	5	
3/24/2022				
9/7/2022				
9/8/2022			4.82	5.13
9/9/2022	6.47	4.68		
4/6/2023				5.02
4/7/2023	6.32			
4/10/2023		4.72	4.87	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-103	MW-306 (bg)	MW-104	MW-307 (bg)	MW-102
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.037 (J)	<0.1	0.46	0.033 (J)	<0.1
3/2/2016									
5/2/2016	<0.1	<0.1		<0.1				<0.1	
5/3/2016						<0.1			
5/4/2016			<0.1						
5/5/2016					<0.1		0.27		<0.1
7/5/2016	<0.1	<0.1		<0.1		<0.1		<0.1	
7/7/2016					<0.1		0.29		<0.1
7/8/2016			<0.1						
9/6/2016	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	<0.1
9/7/2016					<0.1		0.33		
11/7/2016	<0.1	<0.1		<0.1		<0.1		<0.1	
11/9/2016							0.29		
11/10/2016			<0.1		<0.1				<0.1
1/9/2017	<0.1	<0.1		<0.1		<0.1		<0.1	
1/11/2017			<0.1				0.42		
1/12/2017					<0.1				<0.1
3/13/2017	<0.1	<0.1		<0.1		<0.1		<0.1	
3/14/2017			<0.1				0.34		
3/15/2017					<0.1				<0.1
5/15/2017	<0.1	<0.1		<0.1		<0.1		<0.1	
5/18/2017			<0.1		<0.1		0.47		<0.1
10/2/2017	<0.1	<0.1		<0.1		<0.1		<0.1	
10/5/2017			<0.1				0.22		
10/6/2017					<0.1				<0.1
12/19/2017							0.26 (R)		
3/12/2018	<0.1	<0.1		<0.1		<0.1		<0.1	
3/14/2018			0.12		<0.1		0.3		<0.1
6/5/2018	<0.1	<0.1		<0.1					
6/6/2018						<0.1		<0.1	
6/10/2018			<0.1				0.38		
6/11/2018					<0.1				<0.1
10/16/2018	<0.1	<0.1		<0.1					
10/17/2018						<0.1		<0.1	
10/18/2018			<0.1		<0.1		0.26		
10/19/2018									<0.1
2/27/2019	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
3/1/2019							0.1		
3/2/2019					<0.1				<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
6/3/2019							0.22		<0.1
6/11/2019					<0.1				
11/6/2019	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
11/7/2019					<0.1		0.21		
11/9/2019									<0.1
4/16/2020	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
4/17/2020					<0.1				
4/18/2020							0.3		<0.1
10/7/2020	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
10/8/2020					0.24		0.26		<0.1
10/9/2020									

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-103	MW-306 (bg)	MW-104	MW-307 (bg)	MW-102
3/29/2021	0.06	<0.1	<0.1	<0.1		<0.1		<0.1	
3/30/2021					<0.1				<0.1
3/31/2021							0.34		
9/2/2021	0.08 (J)	0.1	0.04 (J)	<0.1		<0.1		0.04 (J)	
9/3/2021							0.41		
9/7/2021					<0.1				<0.1
3/22/2022	<0.1	<0.1	<0.1	<0.1		<0.1		<0.1	
3/23/2022							0.3		<0.1
3/24/2022					<0.1				
9/7/2022	<0.1	<0.1	<0.1						
9/8/2022				<0.1		<0.1		<0.1	
9/9/2022					<0.1		<0.1		<0.1
4/6/2023	<0.1	<0.1	<0.1	<0.1				<0.1	
4/7/2023						<0.1	0.31		
4/10/2023					<0.1				<0.1

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-105	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	0.041 (J)	<0.1		
3/2/2016			<0.1	0.039 (J)
5/2/2016				
5/3/2016				
5/4/2016		<0.1		
5/5/2016	<0.1		<0.1	<0.1
7/5/2016				
7/7/2016	<0.1		<0.1	<0.1
7/8/2016		<0.1		
9/6/2016				
9/7/2016	<0.1	<0.1	<0.1	<0.1
11/7/2016				
11/9/2016	<0.1	<0.1		
11/10/2016			<0.1	<0.1
1/9/2017				
1/11/2017	<0.1	<0.1		
1/12/2017			<0.1	<0.1
3/13/2017				
3/14/2017	<0.1	<0.1	<0.1	
3/15/2017				<0.1
5/15/2017				
5/18/2017	<0.1	<0.1	<0.1	<0.1
10/2/2017				
10/5/2017	<0.1	<0.1	<0.1	
10/6/2017				<0.1
12/19/2017				
3/12/2018				
3/14/2018	<0.1	<0.1	<0.1	<0.1
6/5/2018				
6/6/2018				
6/10/2018	<0.1	<0.1		
6/11/2018			<0.1	0.04 (J)
10/16/2018				
10/17/2018				
10/18/2018	0.04 (J)	<0.1	<0.1	0.04 (J)
10/19/2018				
2/27/2019				
3/1/2019	<0.1	<0.1	<0.1	<0.1
3/2/2019				
5/31/2019				
6/3/2019	0.04 (J)	<0.1	<0.1	0.04 (J)
6/11/2019				
11/6/2019				
11/7/2019			<0.1	0.04 (J)
11/9/2019	<0.1	<0.1		
4/16/2020				
4/17/2020		<0.1	<0.1	0.04 (J)
4/18/2020	0.04 (J)			
10/7/2020				
10/8/2020	0.04 (J)	<0.1		
10/9/2020			<0.1	<0.1

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-105	MW-106	MW-109	MW-110
3/29/2021				
3/30/2021	0.04	<0.1		
3/31/2021			<0.1	0.04
9/2/2021				
9/3/2021	0.07 (J)	<0.1	0.05 (J)	0.07 (J)
9/7/2021				
3/22/2022				
3/23/2022	<0.1	<0.1	<0.1	<0.1
3/24/2022				
9/7/2022				
9/8/2022		<0.1	<0.1	
9/9/2022	<0.1			<0.1
4/6/2023				
4/7/2023	<0.1	<0.1		
4/10/2023			<0.1	<0.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-104	MW-102	MW-306 (bg)	MW-105
2/29/2016	<5	<5	1.6 (J)	<5					
3/1/2016					<5	380	<5	<5	17
3/2/2016									
5/2/2016	15 (o)		2.1 (J)	<5	<5				
5/3/2016								<5	
5/4/2016		<5							
5/5/2016						280	<5		11
7/5/2016	<5		2 (J)	<5	<5			<5	
7/7/2016						330	<5		33
7/8/2016		<5							
9/6/2016	<5	<5	1.8 (J)	<5	3.7 (J)		<5	<5	
9/7/2016						550			18
11/7/2016	<5		1.7 (J)	<5	<5			<5	
11/9/2016						700			52
11/10/2016		<5					<5		
1/9/2017	<5		1.5 (J)	2.6 (J)	<5			<5	
1/11/2017		<5				670			31
1/12/2017							<5		
3/13/2017	2.5 (J)		2.2 (J)	<5	<5			<5	
3/14/2017		<5				670			20
3/15/2017							<5 (*)		
5/15/2017	<5		1.9 (J)	<5	<5			<5	
5/18/2017		<5 (X)				790	<5 (X)		35
10/2/2017	<5		3.4 (J)	<5	1.7 (J)			1.5 (J)	
10/5/2017		<5				500			7.7
10/6/2017							<5		
12/19/2017						400 (R)			51 (R)
3/12/2018	<5		2.6 (J)	<5	<5			<5	
3/14/2018		<5				540	<5		22
6/5/2018	<5		2.6 (J)	<5					
6/6/2018					<5			<5	
6/10/2018		1.5 (J)				760			96
6/11/2018							1.7 (J)		
10/16/2018	<5		2.8 (J)	<5					
10/17/2018					<5			<5	
10/18/2018		<5				460			6.6
10/19/2018							3.4 (J)		
2/27/2019	<5	1.9 (J)	2.4 (J)	<5	<5			<5	
3/1/2019						240			9.6
3/2/2019							<5		
5/31/2019	<5	<5	3.3 (J)	<5	<5			<5	
6/3/2019						480	3.5 (J)		58
6/11/2019									
11/6/2019	<5	<5	3.7 (J)	<5	<5			<5	
11/7/2019						610			
11/9/2019							<5		120
4/16/2020	<5	<5	1.7 (J)	<5	<5			<5	
4/17/2020									
4/18/2020						670	<5		32
10/7/2020	<5	<5	4 (J)	<5	<5			<5	
10/8/2020						590	<5		9.3
10/9/2020									

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-104	MW-102	MW-306 (bg)	MW-105
3/29/2021	<5	<5	2.3	<5	<5			<5	
3/30/2021							<5		7.6
3/31/2021						670			
9/2/2021	<5	<5	4.7 (J)	<5	<5			<5	
9/3/2021						480			9.3
9/7/2021							<5		
3/22/2022	<5	<5	4.5 (J)	<5	<5			<5	
3/23/2022						560	1.8 (J)		24
3/24/2022									
9/7/2022	1.7 (J)	1.5 (J)		1.4 (J)					
9/8/2022			5.5		<5			<5	
9/9/2022						870	27		17
4/6/2023	<5	<5	4.8 (J)	<5	<5				
4/7/2023						780		<5	110
4/10/2023							<5		

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	26	<5		
3/2/2016			150	13
5/2/2016				
5/3/2016				
5/4/2016		<5		
5/5/2016	31		200	15
7/5/2016				
7/7/2016	31		200	14
7/8/2016		<5		
9/6/2016				
9/7/2016	41	<5	200	15
11/7/2016				
11/9/2016		<5		
11/10/2016	39		130	13
1/9/2017				
1/11/2017		<5		
1/12/2017	35		240	12
3/13/2017				
3/14/2017		<5		10 (V)
3/15/2017	43		300	
5/15/2017				
5/18/2017	35	<5 (X)	270	8.7
10/2/2017				
10/5/2017		<5		9.8
10/6/2017	39		140	
12/19/2017	36 (R)		280 (R)	8.4 (R)
3/12/2018				
3/14/2018	38	<5	270	9.7
6/5/2018				
6/6/2018				
6/10/2018		1.4 (J)		
6/11/2018	34		270	10
10/16/2018				
10/17/2018				
10/18/2018	31	<5	280	8.1
10/19/2018				
2/27/2019				
3/1/2019		<5	250	7.4
3/2/2019	35			
5/31/2019				
6/3/2019		<5	150	21
6/11/2019	32			
11/6/2019				
11/7/2019	27		290	16
11/9/2019		<5		
4/16/2020				
4/17/2020	31	<5	280	12
4/18/2020				
10/7/2020				
10/8/2020	30	<5		
10/9/2020			280	25

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-110	MW-109
3/29/2021				
3/30/2021	32	<5		
3/31/2021			250	15
9/2/2021				
9/3/2021		<5	160	32
9/7/2021	22			
3/22/2022				
3/23/2022		<5	270	28
3/24/2022	28			
9/7/2022				
9/8/2022		<5		34
9/9/2022	20		270	
4/6/2023				
4/7/2023		<5		
4/10/2023	34		180	15

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	20	<5	12	20					
3/1/2016					290	760	84	<5	10
3/2/2016									
5/2/2016	<5	<5	6						
5/3/2016									<5
5/4/2016				6					
5/5/2016					250	620	76	<5	
7/5/2016	12	14	<5						<5
7/7/2016					270	640	54	24	
7/8/2016				6					
9/6/2016	36	30	38	36				40	36
9/7/2016					270	1100	82		
11/7/2016	18	8	<5						<5
11/9/2016					330	1300			
11/10/2016				16			80	20	
1/9/2017	4 (J)	<5	14						<5
1/11/2017				38	330	1600			
1/12/2017							110	54	
3/13/2017	6	<5	8						22
3/14/2017				<5	260	1200			
3/15/2017							82	14	
5/15/2017	<5	<5	<5						6
5/18/2017				10	360	1500	100	38	
10/2/2017	<5	<5	6						16
10/5/2017				<5	240	980			
10/6/2017							110	22	
12/19/2017					460 (R)	900 (R)	72 (R)		
3/12/2018	18	14	<5						<5
3/14/2018				8	300	1100	66	14	
6/5/2018	10	<5	14						
6/6/2018									20
6/10/2018				8	560	1500			
6/11/2018							96	8	
10/16/2018	32	12	6						
10/17/2018									44
10/18/2018				28	250	860	64		
10/19/2018								54	
2/27/2019	110	54	110	68					20
3/1/2019					210	440			
3/2/2019							210	28	
5/31/2019	46	8	26	<5					32
6/3/2019					500	950		54	
6/11/2019							110		
11/6/2019	<5	4 (J)	<5	10					24
11/7/2019						980	50		
11/9/2019					720			24	
4/16/2020	28	18	8	44					6
4/17/2020							70		
4/18/2020					180	1100		54	
10/7/2020	30	20	26	24					16
10/8/2020					260	500	120	32	
10/9/2020									

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
3/29/2021	38	12	28	26					42
3/30/2021					340		170	32	
3/31/2021						1100			
9/2/2021	40	10	8	8					10
9/3/2021					210	1000			
9/7/2021							62	10	
3/22/2022	58	18	46	14					84
3/23/2022					230	1300		36	
3/24/2022							90		
9/7/2022	36	22		14					
9/8/2022			44						24
9/9/2022					200	1400	48	62	
4/6/2023	34	22	14	24					
4/7/2023					320	1100			24
4/10/2023							100	14	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			30	440
5/2/2016	36			
5/3/2016				
5/4/2016		12		
5/5/2016			38	480
7/5/2016	<5			
7/7/2016			22	470
7/8/2016		10		
9/6/2016	44			
9/7/2016		10	38	440
11/7/2016	30			
11/9/2016		26		
11/10/2016			38	260
1/9/2017	12			
1/11/2017		28		
1/12/2017			40	630
3/13/2017	20			
3/14/2017		<5	22	
3/15/2017				620
5/15/2017	4 (J)			
5/18/2017		26	24	640
10/2/2017	24			
10/5/2017		<5	<5	
10/6/2017				360
12/19/2017				840 (R)
3/12/2018	<5			
3/14/2018		<5	12	660
6/5/2018				
6/6/2018	16			
6/10/2018		6		
6/11/2018			26	670
10/16/2018				
10/17/2018	44			
10/18/2018		68	34	750
10/19/2018				
2/27/2019	28			
3/1/2019		28	42	640
3/2/2019				
5/31/2019	18			
6/3/2019		28	54	420
6/11/2019				
11/6/2019	20			
11/7/2019			24	540
11/9/2019		42		
4/16/2020	8			
4/17/2020		48	28	600
4/18/2020				
10/7/2020	12			
10/8/2020		100		
10/9/2020			86	660

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/23/2023 3:16 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-109	MW-110
3/29/2021	40			
3/30/2021		12		
3/31/2021			66	620
9/2/2021	<5			
9/3/2021		<5	170	580
9/7/2021				
3/22/2022	22			
3/23/2022		30	90	630
3/24/2022				
9/7/2022				
9/8/2022	48	18	80	
9/9/2022				560
4/6/2023	16			
4/7/2023		26		
4/10/2023			82	540

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

200 Series

Appendix III - 200 Series - Intrawell Prediction Limits - Significant Result

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.153	4.545	4/6/2023	4.8	No	21	4.849	0.1617	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.367	4.579	4/6/2023	4.79	No	21	4.973	0.2096	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.285	4.55	4/6/2023	4.88	No	21	4.918	0.1953	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.086	4.504	4/6/2023	4.8	No	20	4.795	0.1537	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.359	4.729	4/11/2023	4.86	No	22	5.044	0.1687	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.089	4.486	4/11/2023	4.94	No	16	4.788	0.1528	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	5.305	4.165	4/11/2023	5.26	No	10	4.735	0.2547	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.332	4.709	4/7/2023	4.9	No	21	5.02	0.1655	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

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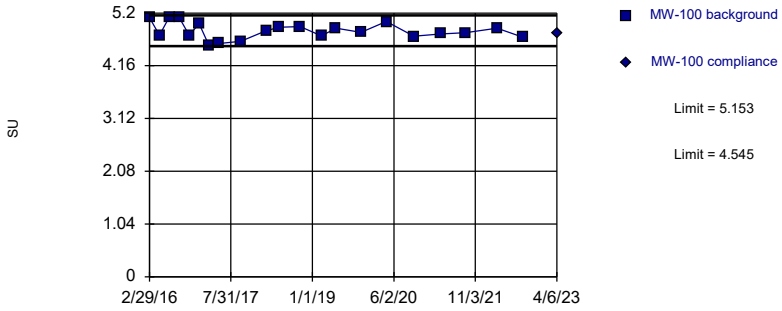
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.849, Std. Dev.=0.1617, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

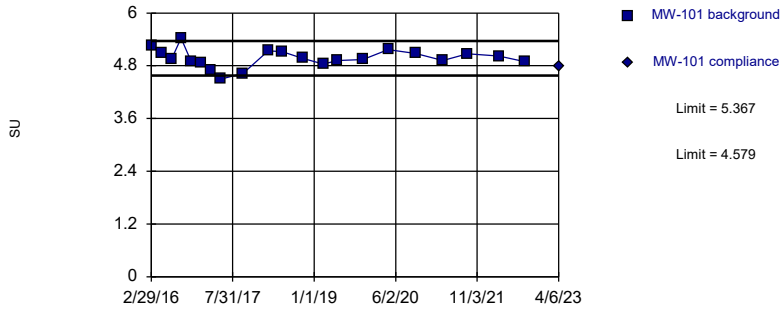
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.973, Std. Dev.=0.2096, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.977, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

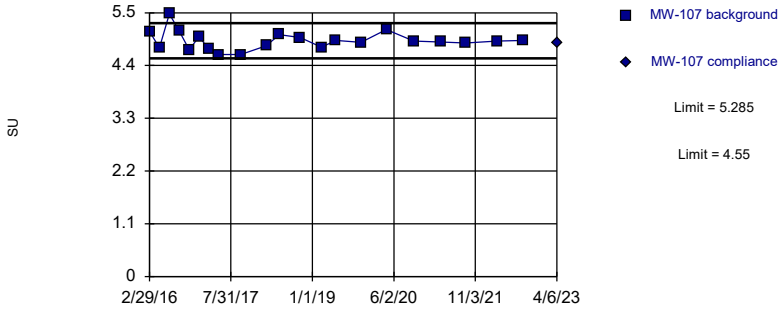
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.918, Std. Dev.=0.1953, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

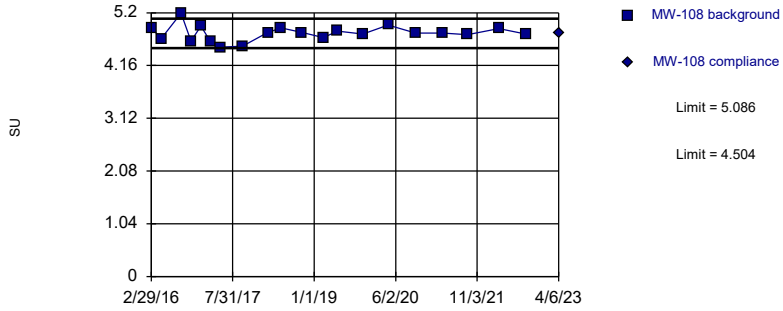
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.795, Std. Dev.=0.1537, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.868. Kappa = 1.892 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

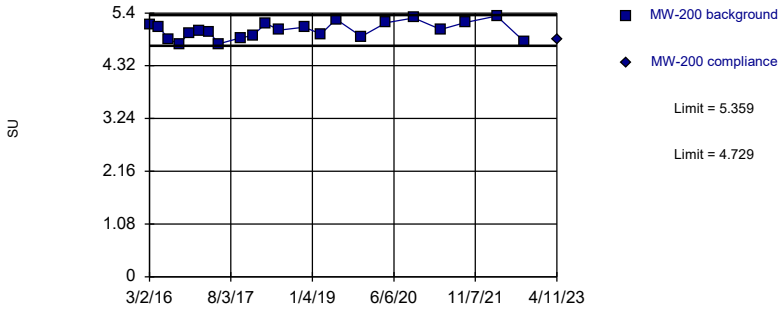
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.044, Std. Dev.=0.1687, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.878. Kappa = 1.869 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

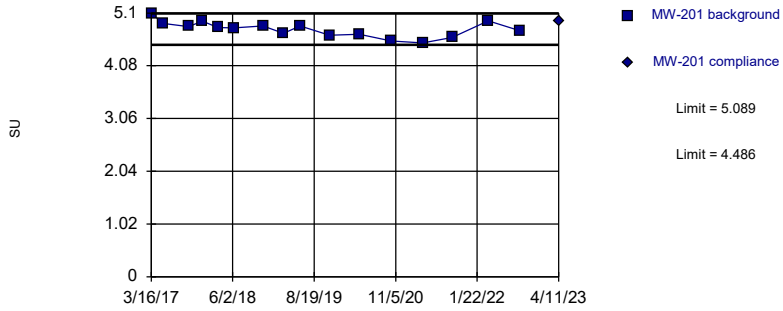
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.788, Std. Dev.=0.1528, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9819, critical = 0.844. Kappa = 1.97 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

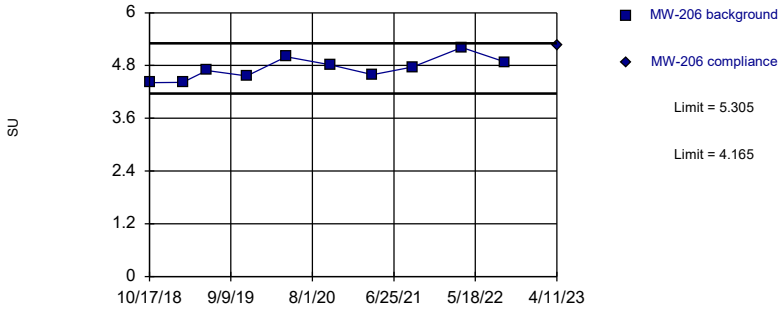
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.735, Std. Dev.=0.2547, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9631, critical = 0.781. Kappa = 2.238 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

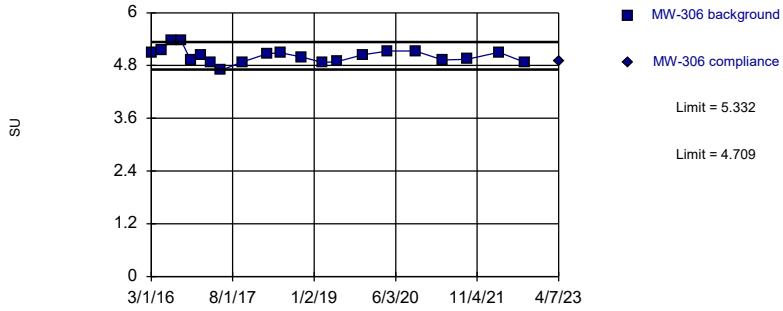
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.02, Std. Dev.=0.1655, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

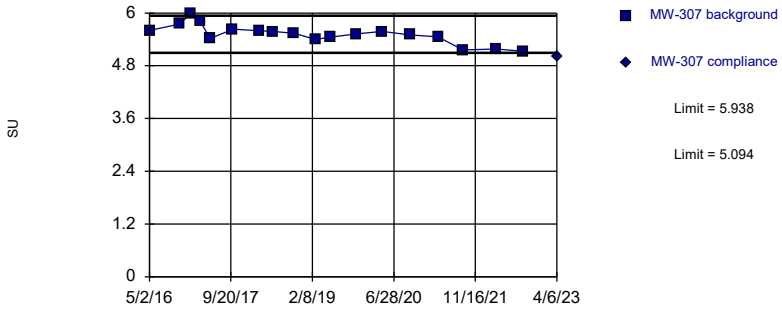
Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.516, Std. Dev.=0.2186, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.858. Kappa = 1.931 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 8/24/2023 2:24 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019	4.9	
11/6/2019	4.82	
4/16/2020	5.03	
10/7/2020	4.74	
3/29/2021	4.79	
9/2/2021	4.81	
3/22/2022	4.9	
9/7/2022	4.72	
4/6/2023		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019	4.92	
11/6/2019	4.94	
4/16/2020	5.17	
10/7/2020	5.08	
3/29/2021	4.92	
9/2/2021	5.07	
3/22/2022	5.02	
9/7/2022	4.89	
4/6/2023		4.79

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019	4.92	
11/6/2019	4.88	
4/16/2020	5.15	
10/7/2020	4.91	
3/29/2021	4.89	
9/2/2021	4.87	
3/22/2022	4.91	
9/7/2022	4.92	
4/6/2023		4.88

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019	4.84	
11/6/2019	4.78	
4/16/2020	4.96	
10/7/2020	4.8	
3/29/2021	4.8	
9/2/2021	4.77	
3/22/2022	4.89	
9/8/2022	4.78	
4/6/2023		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019	5.27	
11/12/2019	4.92	
4/18/2020	5.2	
10/12/2020	5.3	
4/1/2021	5.06	
9/8/2021	5.21	
3/25/2022	5.34	
9/13/2022	4.82	
4/11/2023		4.86

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019	4.85	
11/12/2019	4.67	
4/22/2020	4.69	
10/12/2020	4.56	
4/1/2021	4.52	
9/8/2021	4.63	
3/25/2022	4.95	
9/13/2022	4.76	
4/11/2023		4.94

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019	4.69	
11/12/2019	4.56	
4/18/2020	5	
10/12/2020	4.82	
4/1/2021	4.59	
9/8/2021	4.77	
3/25/2022	5.21	
9/13/2022	4.88	
4/11/2023		5.26

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019	4.89	
11/6/2019	5.04	
4/16/2020	5.13	
10/7/2020	5.13	
3/29/2021	4.93	
9/2/2021	4.94	
3/22/2022	5.1	
9/8/2022	4.87	
4/7/2023		4.9

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:25 PM View: 200 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019	5.45	
11/6/2019	5.52	
4/16/2020	5.58	
10/7/2020	5.5	
3/29/2021	5.46	
9/2/2021	5.16	
3/22/2022	5.18	
9/8/2022	5.13	
4/6/2023		5.02

Appendix III - 200 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:27 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-200**	**0.081**	**n/a**	**4/11/2023**	**2.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/11/2023**	**4.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/11/2023**	**12**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.446**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.446**	**n/a**	**4/11/2023**	**78**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.446**	**n/a**	**4/11/2023**	**160**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.847**	**n/a**	**4/11/2023**	**86**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.847**	**n/a**	**4/11/2023**	**96**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.847**	**n/a**	**4/11/2023**	**250**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/11/2023**	**0.15**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**4/11/2023**	**130**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**4/11/2023**	**140**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/11/2023**	**890**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:27 PM

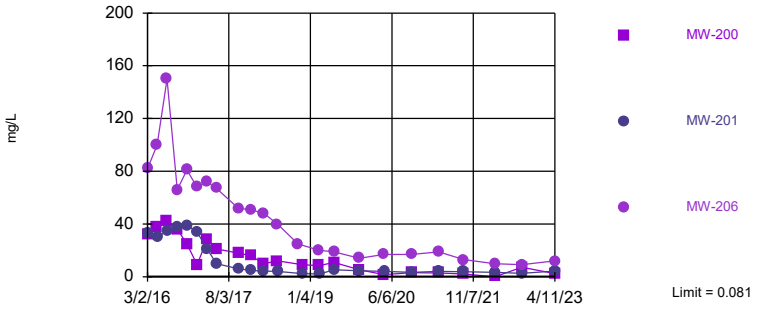
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**4/11/2023**	**2.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/11/2023**	**4.4**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/11/2023**	**12**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.446**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.446**	**n/a**	**4/11/2023**	**78**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.446**	**n/a**	**4/11/2023**	**160**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.847**	**n/a**	**4/11/2023**	**86**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.847**	**n/a**	**4/11/2023**	**96**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.847**	**n/a**	**4/11/2023**	**250**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	4/11/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.000114	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/11/2023**	**0.15**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.000114**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	4/11/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.000114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**4/11/2023**	**130**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**4/11/2023**	**140**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001157**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-206	5.5	n/a	4/11/2023	12J	No	131	n/a	n/a	75.57	n/a	n/a	0.0001157	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/11/2023**	**490**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/11/2023**	**890**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.000114**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.37 . UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 72.73% NDs. Annual per-constituent alpha = 0.0006836. Individual comparison alpha = 0.000114 (1 of 2). Comparing 3 points to limit.

Constituent: Boron Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

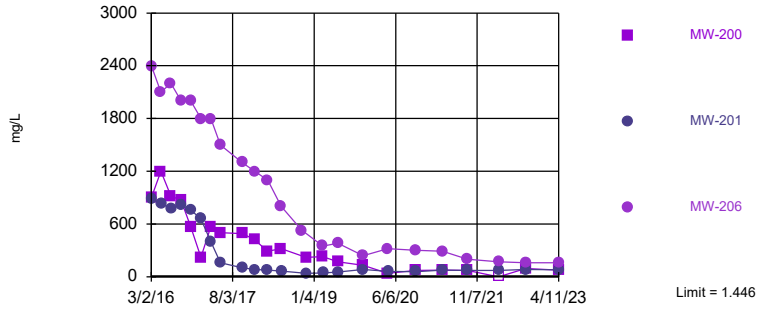
Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3639, Std. Dev.=0.4401, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 8.606, critical = 14.07. Kappa = 1.665 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

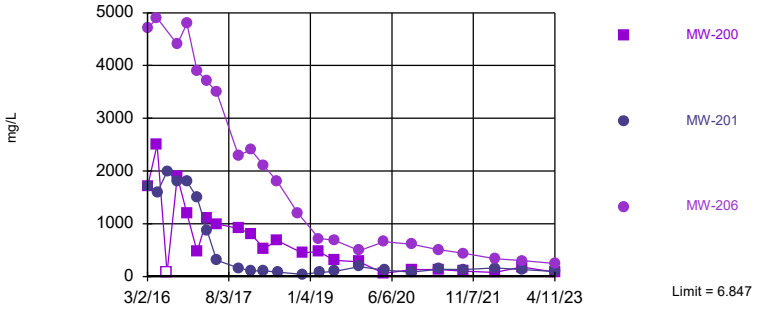
Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.205, Std. Dev.=0.9861, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 11.48, critical = 14.07. Kappa = 1.665 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Chloride Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

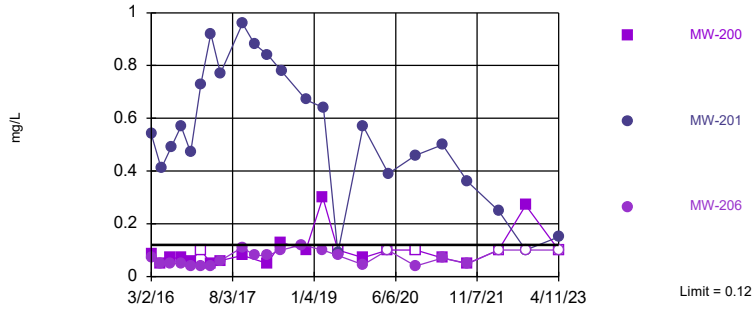
Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-201

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 94.7% NDs. Annual per-constituent alpha = 0.0006836. Individual comparison alpha = 0.000114 (1 of 2). Comparing 3 points to limit.

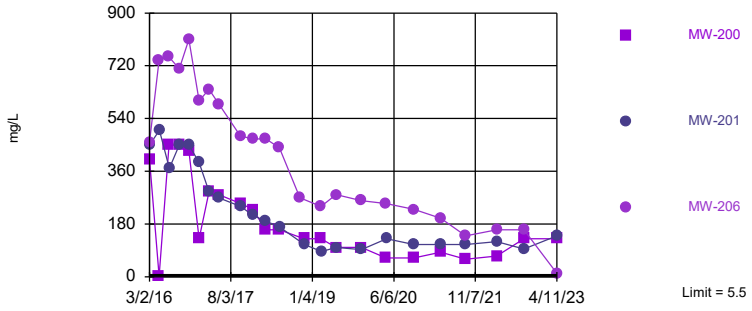
Constituent: Fluoride Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Exceeds Limit: MW-200, MW-201

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 131 background values. 75.57% NDs. Annual per-constituent alpha = 0.0006942. Individual comparison alpha = 0.0001157 (1 of 2). Comparing 3 points to limit.

Constituent: Sulfate Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

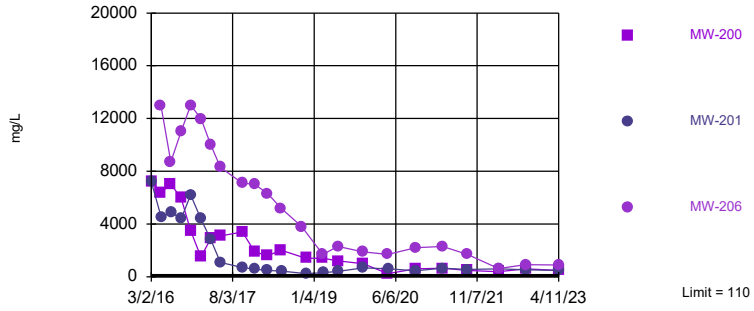
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 132 background values. 21.21% NDs. Annual per-constituent alpha = 0.0006836. Individual comparison alpha = 0.000114 (1 of 2). Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:26 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							32	82	33
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05		38	100	
5/4/2016				<0.05					30
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05	42	150	
7/6/2016									35
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							36	66	38
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
11/8/2016									39
11/9/2016							25	81	
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/11/2017				<0.05					
1/12/2017							9.1	68	
1/13/2017									34
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/16/2017									21
3/17/2017							28	72	
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
5/16/2017							21		
5/17/2017								67	10
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017								52	
10/4/2017							18		6
10/5/2017				<0.05					
12/20/2017							16 (R)	51	4.9 (R)
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							10		
3/14/2018				<0.05				48	4.4
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/8/2018							12	40	
6/9/2018									4.1
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05		25	
10/18/2018				0.081					
11/13/2018							9.1		
11/14/2018									2.3
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							8.5	20	
3/5/2019									2.1
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							11	19	5.2
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							5.3	14	4.5

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	0.02	0.017	0.013	0.013	0.0075 (J)	0.0055 (J)			
4/18/2020							1.6	17	
4/22/2020									4.2
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/12/2020							3	17	3.3
3/29/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
4/1/2021							2.9	19	4
9/2/2021	0.021 (J)	0.022 (J)	0.018 (J)	<0.05	<0.05	<0.05			
9/8/2021							2.1	13	3.8
3/22/2022	0.013	0.017	0.013	0.012	0.009 (J)	0.0063 (J)			
3/25/2022							0.0043 (J)	10	3.4
9/7/2022	0.031 (J)		0.031 (J)	0.029 (J)					
9/8/2022		0.055			0.027 (J)	0.025 (J)			
9/13/2022							7.2	9.1	2.7
4/6/2023	0.021 (J)	0.035 (J)	0.038 (J)	0.048 (J)		0.012 (J)			
4/7/2023					0.011 (J)				
4/11/2023							2.4	12	4.4

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/2/2016							900	2400	890
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55		1200	2100	
5/4/2016				0.62					830
7/5/2016	0.65	0.94	0.43		0.53	1.6	920	2200	
7/6/2016									780
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/8/2016							870	2000	820
11/7/2016	0.8	1.2	0.56		0.68	1.5			
11/8/2016									760
11/9/2016							570	2000	
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/11/2017				0.42					
1/12/2017							220	1800	
1/13/2017									660
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/16/2017									400
3/17/2017							570	1800	
5/15/2017	0.76	1	0.37		0.58	0.83			
5/16/2017							500		
5/17/2017								1500	160
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017								1300	
10/4/2017							490		100
10/5/2017				0.39					
12/20/2017							420 (R)	1200	82 (R)
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018							290		
3/14/2018				0.49				1100	75
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			
6/8/2018							320	800	
6/9/2018									64
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66		530	
10/18/2018				0.41					
11/13/2018							220		
11/14/2018									38
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019							230	350	
3/5/2019									43
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52			
6/4/2019							170	380 (D)	54
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/12/2019							130	240	82

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	0.84	1.3	0.36	0.38	0.53	0.59			
4/18/2020							40	320	
4/22/2020									61
10/7/2020	0.93	1.6	0.43	0.47	0.63	0.67			
10/12/2020							74	300	58
3/29/2021	1	1.6	0.46	0.43	0.68	0.75			
4/1/2021							75	290	75
9/2/2021	1.1	1.5	0.47	0.63	0.56	0.73			
9/8/2021							74	200	72
3/22/2022	0.9	1.6	0.33	0.38	0.81	0.7			
3/25/2022							<0.05	170	73
9/7/2022	1		0.61	0.6					
9/8/2022		2.1			0.69	0.82			
9/13/2022							93	160	82
4/6/2023	0.81	2.1	0.32	0.42		0.68			
4/7/2023					0.49				
4/11/2023							75	160	78

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-200	MW-201
2/29/2016	5.3	5.4	7.4	8.1					
3/1/2016					4	5.6			
3/2/2016							4700	1700	1700
5/2/2016	4.4		6.3	6	3.6				
5/3/2016						5.1	4900	2500	
5/4/2016		4.5							1600
7/5/2016	4.2		4.8	5.2	3.6	4.7	360 (o)	<140 (*)	
7/6/2016									2000
7/8/2016		4.9							
9/6/2016	4.3	4.3	6	5.5	4	4.4			
9/8/2016							4400	1900	1800
11/7/2016	4.2		5.7	5.4	4.4	4.6			
11/8/2016									1800
11/9/2016							4800	1200	
11/10/2016		4.5							
1/9/2017	5.3		6.8	6.1	4.4	5.3			
1/11/2017		5.3							
1/12/2017							3900	470	
1/13/2017									1500
3/13/2017	5.2		6.8	5.5	4.1	5.6			
3/14/2017		5.5							
3/16/2017									870
3/17/2017							3700	1100	
5/15/2017	4.8		6.1	4.7	3.7	5.2			
5/16/2017								1000	
5/17/2017							3500		310
5/18/2017		5							
10/2/2017	5.5		6	6.1	4.8	5.5			
10/3/2017							2300		
10/4/2017								910	160
10/5/2017		5.6							
12/20/2017							2400	810 (R)	110 (R)
3/12/2018	5.3		5.9	6.1	4	5.6			
3/13/2018								530	
3/14/2018		5.2					2100		110
6/5/2018	5.3		6.5	5.5					
6/6/2018					4.1	5.6			
6/8/2018							1800	680	
6/9/2018									86
6/10/2018		5.2							
10/16/2018	5.5		5.9	5.1					
10/17/2018					3.7	5.5	1200		
10/18/2018		5.2							
11/13/2018								450	
11/14/2018									41
2/27/2019	4.6	5.1	4.3	5	4	5.1			
2/28/2019							720	470	
3/5/2019									75
5/31/2019	5.1	5	4.5	5.4	3.7	5.4			
6/4/2019							690	310	98
11/6/2019	5.8	6	5.7	6.1	4.7	5.9			
11/12/2019							490	280	190

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-200	MW-201
4/16/2020	6.1	5.8	5.6	5.3	4.9	6.2			
4/18/2020							660	59	
4/22/2020									120
10/7/2020	6.6	5.9	5.1	5.7	4.7	6.1			
10/12/2020							610	130	82
3/29/2021	10	5.8	5	5.2	5.4	6.2			
4/1/2021							510	130	140
9/2/2021	5.8	5.1	5.2	5.1	5.1	5.9			
9/8/2021							440	100	130
3/22/2022	5.9	4.9	8.8	4.7	4.8	5.6			
3/25/2022							340	76	160
9/7/2022	4.4	3.4		3.6					
9/8/2022			3.4		5.3	4.3			
9/13/2022							300	180	130
4/6/2023	4.3	3.6	4.2	3.8	4.2				
4/7/2023						4.1			
4/11/2023							250	86	96

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.088 (J)	0.074 (J)	0.54
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1		0.05 (J)	0.05 (J)	
5/4/2016				<0.1					0.41
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1	0.07 (J)	0.05 (J)	
7/6/2016									0.49
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.07 (J)	0.05 (J)	0.57
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
11/8/2016									0.47
11/9/2016							0.06 (J)	0.04 (J)	
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/11/2017				<0.1					
1/12/2017							<0.1	0.04 (J)	
1/13/2017									0.73
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/16/2017									0.92
3/17/2017							0.05 (J)	0.04 (J)	
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017							0.06 (J)		
5/17/2017								0.06 (J)	0.77
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017								0.11	
10/4/2017							0.08 (J)		0.96
10/5/2017				<0.1					
12/20/2017								0.08 (I)	0.88 (R)
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.05 (J)		
3/14/2018				0.12				0.08 (J)	0.84
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/8/2018							0.13	0.1	
6/9/2018									0.78
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1		0.12	
10/18/2018				<0.1					
11/13/2018							0.1		
11/14/2018									0.67
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.3	0.1	
3/5/2019									0.64
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							<0.1	0.08 (J)	0.09 (J)
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.072 (J)	0.045 (J)	0.57

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1	<0.1	
4/22/2020									0.39
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/12/2020							<0.1	0.04 (J)	0.46
3/29/2021	0.06	<0.1	<0.1	<0.1	<0.1	<0.1			
4/1/2021							0.07	0.07	0.5
9/2/2021	0.08 (J)	<0.1	0.1	0.04 (J)	<0.1	0.04 (J)			
9/8/2021							0.049 (J)	0.048 (J)	0.36
3/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
3/25/2022							<0.1	<0.1	0.25
9/7/2022	<0.1		<0.1	<0.1					
9/8/2022		<0.1			<0.1	<0.1			
9/13/2022							0.27 (J)	<0.1	<0.1
4/6/2023	<0.1	<0.1	<0.1	<0.1		<0.1			
4/7/2023					<0.1				
4/11/2023							<0.1	<0.1	0.15

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/2/2016							400	460	450
5/2/2016	15 (o)	2.1 (J)	<5			<5			
5/3/2016					<5		2.2 (J)	740	
5/4/2016				<5					500
7/5/2016	<5	2 (J)	<5		<5	<5	450 (J)	750	
7/6/2016									370
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	<5	3.7 (J)			
9/8/2016							450	710	450
11/7/2016	<5	1.7 (J)	<5		<5	<5			
11/8/2016									450
11/9/2016							430	810	
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/11/2017				<5					
1/12/2017							130	600	
1/13/2017									390
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/16/2017									290
3/17/2017							290	640	
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017							280		
5/17/2017								590	270
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.5 (J)	1.7 (J)			
10/3/2017								480	
10/4/2017							250		240
10/5/2017				<5					
12/20/2017							230 (R)	470	210 (R)
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018							160		
3/14/2018				<5				470	190
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5			
6/8/2018							160	440	
6/9/2018									170
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		270	
10/18/2018				<5					
11/13/2018							130		
11/14/2018									110
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019							130	240	
3/5/2019									86
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/4/2019							100	280	100
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/12/2019							100	260	93

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/18/2020							64	250	
4/22/2020									130
10/7/2020	<5	4 (J)	<5	<5	<5	<5			
10/12/2020							64	230	110
3/29/2021	<5	2.3	<5	<5	<5	<5			
4/1/2021							84	200	110
9/2/2021	<5	4.7 (J)	<5	<5	<5	<5			
9/8/2021							60	140	110
3/22/2022	<5	4.5 (J)	<5	<5	<5	<5			
3/25/2022							71	160	120
9/7/2022	1.7 (J)		1.4 (J)	1.5 (J)					
9/8/2022		5.5			<5	<5			
9/13/2022							130	160	95
4/6/2023	<5	4.8 (J)	<5	<5		<5			
4/7/2023					<5				
4/11/2023							130	12 (J)	140

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	20	12	<5					
3/1/2016					<5	10			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5		6	<5	36				
5/3/2016						<5	6400		13000
5/4/2016		6						4500	
7/5/2016	12		<5	14	<5	<5	7000		8700
7/6/2016								4900	
7/8/2016		6							
9/6/2016	36	36	38	30	44	36			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18		<5	8	30	<5			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016		16							
1/9/2017	4 (J)		14	<5	12	<5			
1/11/2017		38							
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6		8	<5	20	22			
3/14/2017		<5							
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5		<5	<5	4 (J)	6			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017		10							
10/2/2017	<5		6	<5	24	16			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017		<5							
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18		<5	14	<5	<5			
3/13/2018							1600		
3/14/2018		8						490	6300
6/5/2018	10		14	<5					
6/6/2018					16	20			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018		8							
10/16/2018	32		6	12					
10/17/2018					44	44			3800
10/18/2018		28							
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	68	110	54	28	20			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	<5	26	8	18	32			
6/4/2019							1200	400	2300
11/6/2019	<5	10	<5	4 (J)	20	24			
11/12/2019							1000	670	1900

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:27 PM View: 200 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-200	MW-201	MW-206
4/16/2020	28	44	8	18	8	6			
4/18/2020							240		1700
4/22/2020								600	
10/7/2020	30	24	26	20	12	16			
10/12/2020							600	460	2200
3/29/2021	38	26	28	12	40	42			
4/1/2021							640	650	2300
9/2/2021	40	8	8	10	<5	10			
9/8/2021							480	550	1700
3/22/2022	58	14	46	18	22	84			
3/25/2022							380	610	630
9/7/2022	36	14		22					
9/8/2022			44		48	24			
9/13/2022							600	530	920
4/6/2023	34	24	14	22	16				
4/7/2023						24			
4/11/2023							490	490	890

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

300 Series

Appendix III - Intrawell Prediction Limits - 300 Series Wells - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**4/10/2023**	**4.11**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III - Intrawell Prediction Limits - 300 Series Wells - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:36 PM

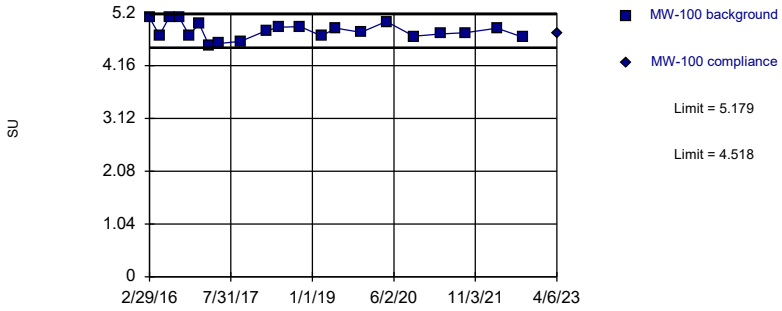
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.179	4.518	4/6/2023	4.8	No	21	4.849	0.1617	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.401	4.544	4/6/2023	4.79	No	21	4.973	0.2096	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.317	4.518	4/6/2023	4.88	No	21	4.918	0.1953	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.111	4.479	4/6/2023	4.8	No	20	4.795	0.1537	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.086	4.364	4/10/2023	4.57	No	22	4.725	0.1777	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.064	6.094	4/11/2023	6.5	No	22	6.579	0.2388	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.439	4.633	4/10/2023	5.97	No	22	5.536	0.4447	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**4/10/2023**	**4.11**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.359	4.682	4/7/2023	4.9	No	21	5.02	0.1655	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**4/6/2023**	**5.02**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-308	7.012	5.586	4/11/2023	6.79	No	22	6.299	0.3511	0	None	No	0.000752	Param Intra 1 of 2

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.849, Std. Dev.=0.1617, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

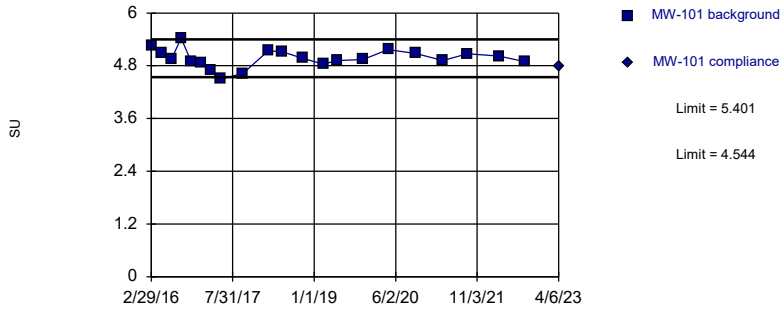
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.973, Std. Dev.=0.2096, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.977, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

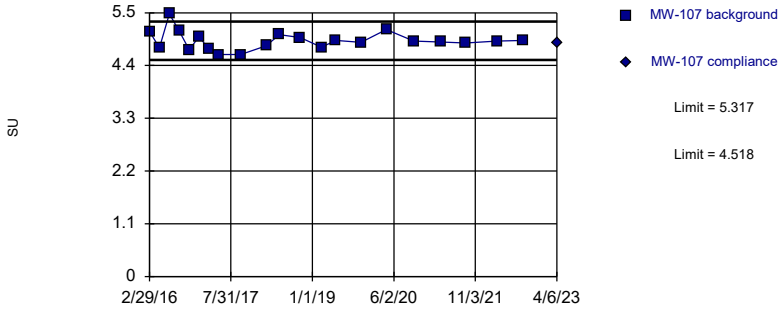
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.918, Std. Dev.=0.1953, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

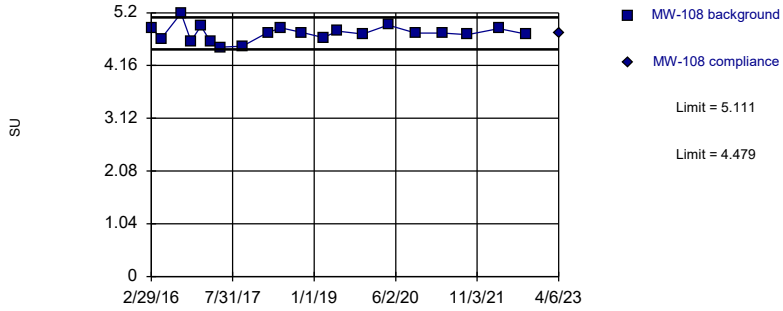
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.795, Std. Dev.=0.1537, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.868. Kappa = 2.058 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

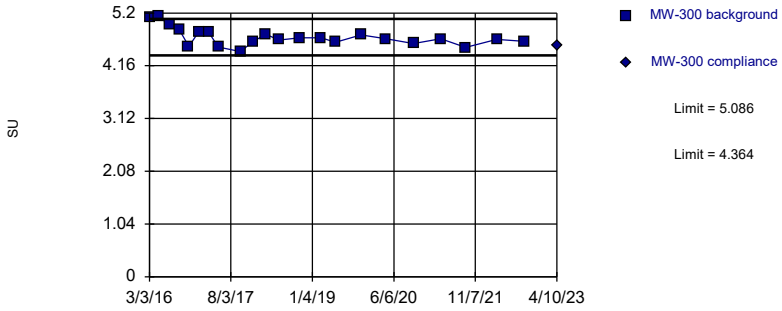
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.725, Std. Dev.=0.1777, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

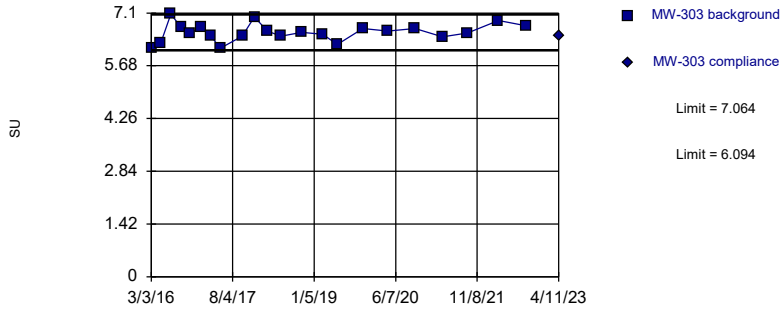
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.579, Std. Dev.=0.2388, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9672, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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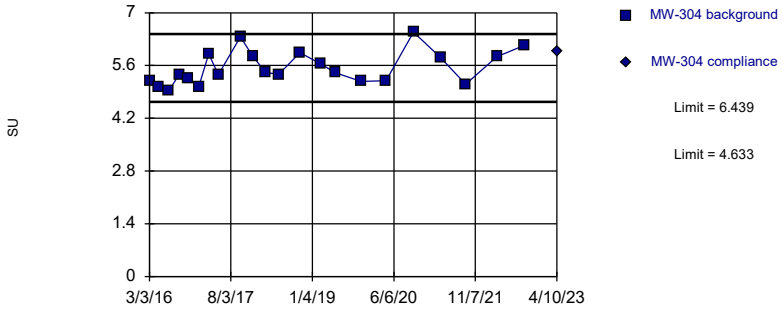
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.536, Std. Dev.=0.4447, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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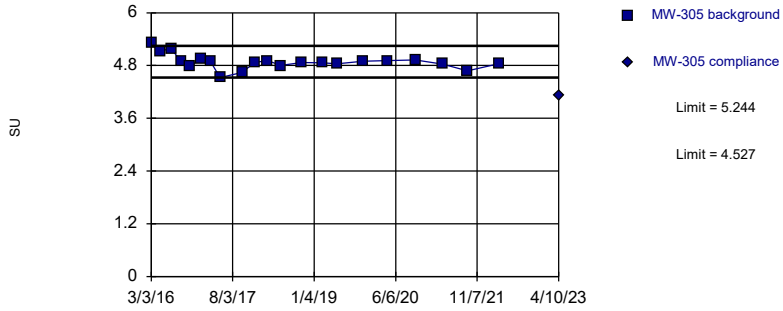
Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.885, Std. Dev.=0.1753, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

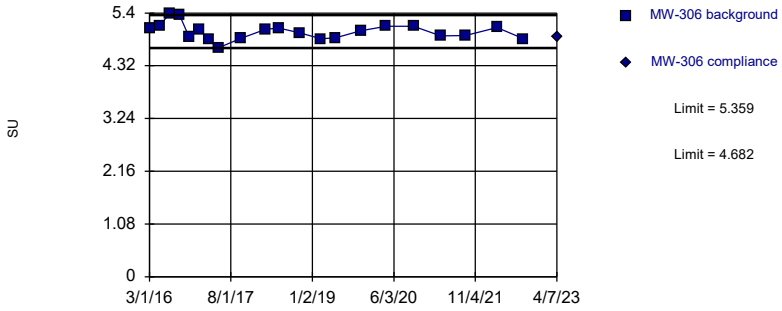
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.02, Std. Dev.=0.1655, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

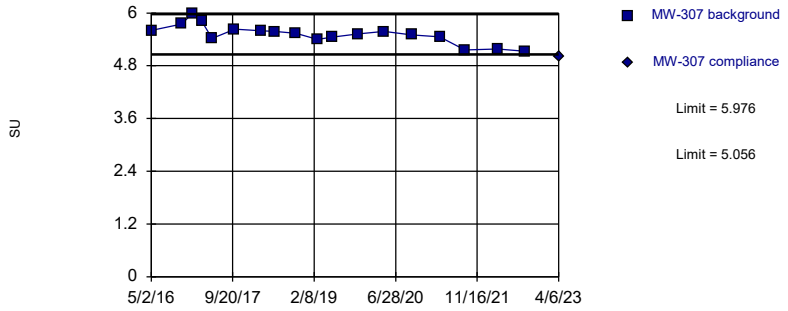
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.516, Std. Dev.=0.2186, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

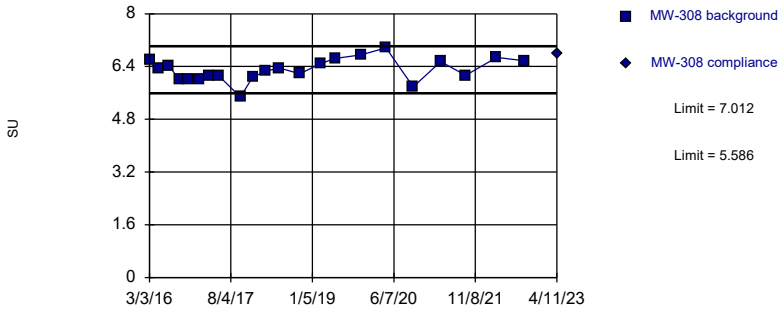
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.299, Std. Dev.=0.3511, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.979, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 8/24/2023 2:34 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019	4.9	
11/6/2019	4.82	
4/16/2020	5.03	
10/7/2020	4.74	
3/29/2021	4.79	
9/2/2021	4.81	
3/22/2022	4.9	
9/7/2022	4.72	
4/6/2023		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019	4.92	
11/6/2019	4.94	
4/16/2020	5.17	
10/7/2020	5.08	
3/29/2021	4.92	
9/2/2021	5.07	
3/22/2022	5.02	
9/7/2022	4.89	
4/6/2023		4.79

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019	4.92	
11/6/2019	4.88	
4/16/2020	5.15	
10/7/2020	4.91	
3/29/2021	4.89	
9/2/2021	4.87	
3/22/2022	4.91	
9/7/2022	4.92	
4/6/2023		4.88

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019	4.84	
11/6/2019	4.78	
4/16/2020	4.96	
10/7/2020	4.8	
3/29/2021	4.8	
9/2/2021	4.77	
3/22/2022	4.89	
9/8/2022	4.78	
4/6/2023		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019	4.62	
11/11/2019	4.77	
4/18/2020	4.69	
10/9/2020	4.6	
3/31/2021	4.69	
9/7/2021	4.52	
3/24/2022	4.68	
9/12/2022	4.64	
4/10/2023		4.57

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019	6.25	
11/11/2019	6.68	
4/18/2020	6.61	
10/8/2020	6.68	
4/1/2021	6.46	
9/7/2021	6.56	
3/24/2022	6.9	
9/12/2022	6.76	
4/11/2023		6.5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019	5.41	
11/11/2019	5.18	
4/18/2020	5.2	
10/9/2020	6.49	
4/1/2021	5.81	
9/7/2021	5.1	
3/24/2022	5.83	
9/12/2022	6.13	
4/10/2023		5.97

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019	4.84	
11/11/2019	4.9	
4/18/2020	4.91	
10/9/2020	4.93	
4/1/2021	4.83	
9/7/2021	4.68	
3/24/2022	4.84	
9/16/2022	3.8 (o)	
4/10/2023		4.11

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019	4.89	
11/6/2019	5.04	
4/16/2020	5.13	
10/7/2020	5.13	
3/29/2021	4.93	
9/2/2021	4.94	
3/22/2022	5.1	
9/8/2022	4.87	
4/7/2023		4.9

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019	5.45	
11/6/2019	5.52	
4/16/2020	5.58	
10/7/2020	5.5	
3/29/2021	5.46	
9/2/2021	5.16	
3/22/2022	5.18	
9/8/2022	5.13	
4/6/2023		5.02

Prediction Limit

Constituent: Field pH (SU) Analysis Run 8/24/2023 2:36 PM View: 300 Series Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019	6.65	
11/11/2019	6.75	
4/18/2020	6.97	
10/8/2020	5.78	
4/1/2021	6.55	
9/7/2021	6.13	
3/24/2022	6.68	
9/12/2022	6.58	
4/11/2023		6.79

Appendix III - Interwell Prediction Limits - 300 Series Wells - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:37 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-303	0.081	n/a	4/11/2023	5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	4/10/2023	3.8	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	4/11/2023	4.5	Yes	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.529	n/a	4/11/2023	73	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.529	n/a	4/10/2023	230	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-305	1.529	n/a	4/10/2023	7.5	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.529	n/a	4/11/2023	75	Yes	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.972	n/a	4/11/2023	29	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.972	n/a	4/10/2023	82	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.972	n/a	4/11/2023	20	Yes	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	4/11/2023	0.19	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	4/10/2023	0.81	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	4/11/2023	0.17	Yes	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5.5	n/a	4/11/2023	180	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5.5	n/a	4/10/2023	610	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5.5	n/a	4/10/2023	74	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5.5	n/a	4/11/2023	110	Yes	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	4/11/2023	440	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	4/10/2023	1400	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-305	110	n/a	4/10/2023	150	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	4/11/2023	480	Yes	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - 300 Series Wells - All Results

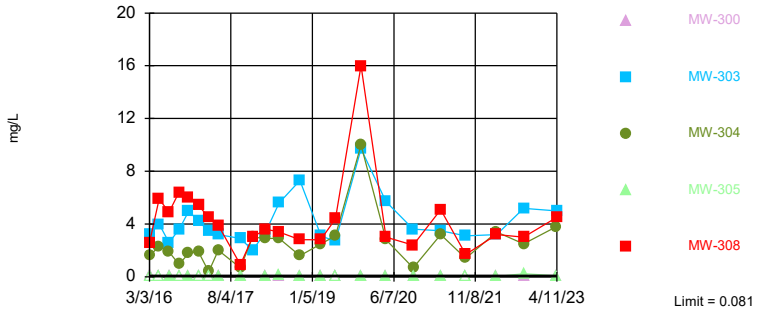
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:37 PM

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-300	0.081	n/a	4/10/2023	0.042J	No	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**4/11/2023**	**5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**4/10/2023**	**3.8**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	4/10/2023	0.059	No	132	n/a	n/a	72.73	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**4/11/2023**	**4.5**	**Yes**	**132**	**n/a**	**n/a**	**72.73**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.529	n/a	4/10/2023	0.57	No	132	-0.3639	0.4401	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.529**	**n/a**	**4/11/2023**	**73**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.529**	**n/a**	**4/10/2023**	**230**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.529**	**n/a**	**4/10/2023**	**7.5**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.529**	**n/a**	**4/11/2023**	**75**	**Yes**	**132**	**-0.3639**	**0.4401**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-300	6.972	n/a	4/10/2023	6.1	No	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	**MW-303**	**6.972**	**n/a**	**4/11/2023**	**29**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.972**	**n/a**	**4/10/2023**	**82**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-305	6.972	n/a	4/10/2023	6.4	No	132	5.205	0.9861	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	**MW-308**	**6.972**	**n/a**	**4/11/2023**	**20**	**Yes**	**132**	**5.205**	**0.9861**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**4/11/2023**	**0.19**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	4/10/2023	0.1ND	No	132	n/a	n/a	94.7	n/a	n/a	0.0001138	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**4/10/2023**	**0.81**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**4/11/2023**	**0.17**	**Yes**	**132**	**n/a**	**n/a**	**94.7**	**n/a**	**n/a**	**0.0001138**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5.5	n/a	4/10/2023	5ND	No	131	n/a	n/a	75.57	n/a	n/a	0.0001156	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**4/11/2023**	**180**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**4/10/2023**	**610**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**4/10/2023**	**74**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**4/11/2023**	**110**	**Yes**	**131**	**n/a**	**n/a**	**75.57**	**n/a**	**n/a**	**0.0001156**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	4/10/2023	24	No	132	n/a	n/a	21.21	n/a	n/a	0.0001138	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**4/11/2023**	**440**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**4/10/2023**	**1400**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**4/10/2023**	**150**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**4/11/2023**	**480**	**Yes**	**132**	**n/a**	**n/a**	**21.21**	**n/a**	**n/a**	**0.0001138**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



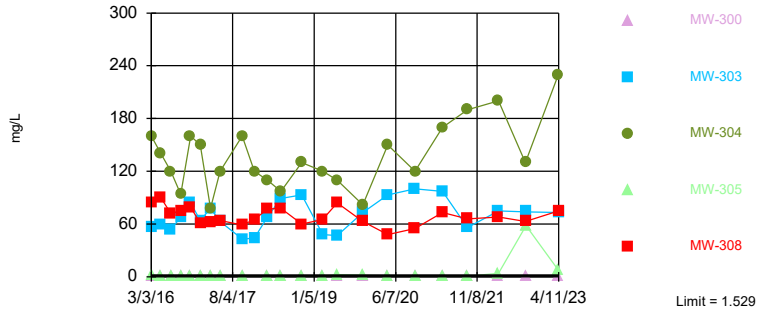
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 72.73% NDs. Annual per-constituent alpha = 0.001138. Individual comparison alpha = 0.0001138 (1 of 2). Comparing 5 points to limit.

Constituent: Boron Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



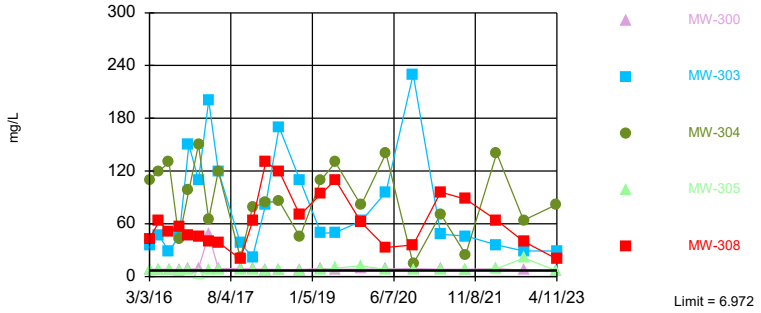
Background Data Summary (based on natural log transformation): Mean=-0.3639, Std. Dev.=0.4401, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 8.606, critical = 14.07. Kappa = 1.792 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

Constituent: Calcium Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Parametric



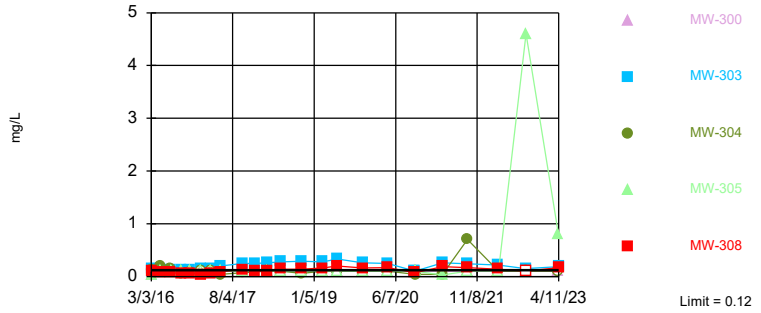
Background Data Summary: Mean=5.205, Std. Dev.=0.9861, n=132. Normality test: Chi Squared @alpha = 0.01, calculated = 11.48, critical = 14.07. Kappa = 1.792 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

Constituent: Chloride Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.
Exceeds Limit: MW-303, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 132 background values. 94.7% NDs. Annual per-constituent alpha = 0.001138. Individual comparison alpha = 0.0001138 (1 of 2). Comparing 5 points to limit.

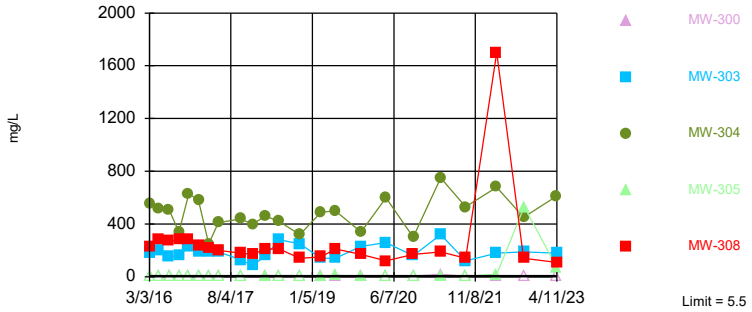
Constituent: Fluoride Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 131 background values. 75.57% NDs. Annual per-constituent alpha = 0.001155. Individual comparison alpha = 0.0001156 (1 of 2). Comparing 5 points to limit.

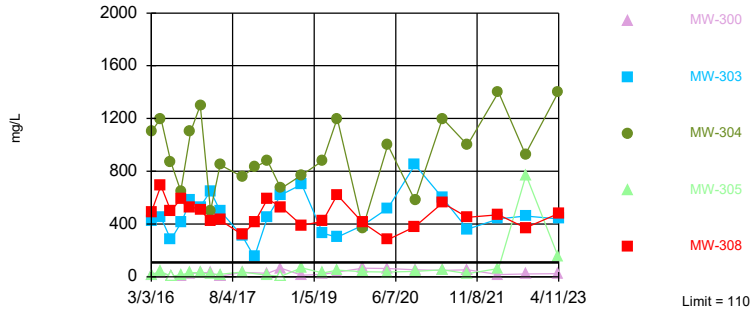
Constituent: Sulfate Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 132 background values. 21.21% NDs. Annual per-constituent alpha = 0.001138. Individual comparison alpha = 0.0001138 (1 of 2). Comparing 5 points to limit.

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:36 PM View: 300 Series Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							3.2	<0.05	0.11 (J)
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05				
5/4/2016				<0.05			4	<0.05 (*)	<0.05
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
7/6/2016							2.6		
7/7/2016								0.034 (J)	<0.05
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016								<0.05	0.028 (J)
9/8/2016							3.6		
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05		0.045 (J)	
11/8/2016							5		0.025 (J)
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/10/2017							4.2	<0.05 (*)	<0.05 (*)
1/11/2017				<0.05					
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/15/2017								<0.05	<0.05
3/16/2017							3.5		
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05	3.2		
5/16/2017								0.043 (J)	<0.05
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017							2.9	0.026 (J)	0.03 (J)
10/5/2017				<0.05					
12/20/2017							2		
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							3.4	0.07	<0.05
3/14/2018				<0.05					
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			0.024 (J)
6/7/2018							5.6	0.1	
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05	7.3	0.074	
10/18/2018				0.081					0.022 (J)
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							3.1	0.027 (J)	<0.05
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	<0.05	<0.05
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/11/2019							9.7	0.036 (V)	0.035 (V)
4/16/2020	0.02	0.017	0.013	0.013	0.0075 (J)	0.0055 (J)			
4/18/2020							5.7	0.016	0.027
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/8/2020							3.6		
10/9/2020								0.018 (J)	0.025 (J)
3/29/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
3/31/2021									0.046

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							3.5	0.035	
9/2/2021	0.021 (J)	0.022 (J)	0.018 (J)	<0.05	<0.05	<0.05			
9/7/2021							3.1	<0.05	0.022 (J)
3/22/2022	0.013	0.017	0.013	0.012	0.009 (J)	0.0063 (J)			
3/24/2022							3.2	0.028	0.035
9/7/2022	0.031 (J)		0.031 (J)	0.029 (J)					
9/8/2022		0.055			0.027 (J)	0.025 (J)			
9/12/2022							5.2		0.05
9/16/2022								0.23	
4/6/2023	0.021 (J)	0.035 (J)	0.038 (J)	0.048 (J)		0.012 (J)			
4/7/2023					0.011 (J)				
4/10/2023								0.059	0.042 (J)
4/11/2023							5		

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	2.6	1.6
5/2/2016		
5/3/2016		
5/4/2016	5.9	2.3
7/5/2016		
7/6/2016	4.9	1.9
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	6.4	0.95
9/8/2016		
11/7/2016		
11/8/2016	6	1.8
11/10/2016		
1/9/2017		
1/10/2017	5.4	1.9
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		0.38
3/16/2017	4.5	
5/15/2017		
5/16/2017	3.9	2
5/18/2017		
10/2/2017		
10/3/2017	0.93	0.67
10/5/2017		
12/20/2017	3	3
3/12/2018		
3/13/2018	3.6	2.9
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	3.4	2.9
6/10/2018		
10/16/2018		
10/17/2018	2.8	1.6
10/18/2018		
2/27/2019	2.8	
2/28/2019		2.5
5/31/2019	4.4	3.1
11/6/2019		
11/11/2019	16	10
4/16/2020		
4/18/2020	3	2.8
10/7/2020		
10/8/2020	2.4	
10/9/2020		0.68
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	5.1	3.2
9/2/2021		
9/7/2021	1.7	1.4
3/22/2022		
3/24/2022	3.2	3.4
9/7/2022		
9/8/2022		
9/12/2022	3	2.5
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		3.8
4/11/2023	4.5	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/3/2016							57	2.5	1 (J)
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55				
5/4/2016				0.62			60	1.1	1
7/5/2016	0.65	0.94	0.43		0.53	1.6			
7/6/2016							54		
7/7/2016								0.71	0.62
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/7/2016								0.78	0.6
9/8/2016							68		
11/7/2016	0.8	1.2	0.56		0.68	1.5		0.82	
11/8/2016							84		0.53
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/10/2017							64	0.58	0.51
1/11/2017				0.42					
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/15/2017								0.69	0.53
3/16/2017							78		
5/15/2017	0.76	1	0.37		0.58	0.83	63		
5/16/2017								0.66	0.48
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017							43	0.68	0.46
10/5/2017				0.39					
12/20/2017							44		
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018							68	0.65	0.46
3/14/2018				0.49					
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			0.45
6/7/2018							89	0.6	
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66	93	0.73	
10/18/2018				0.41					0.48
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019							48	0.84	0.44
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52	47	2.6	0.55
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/11/2019							73	1.6 (V)	0.56 (V)
4/16/2020	0.84	1.3	0.36	0.38	0.53	0.59			
4/18/2020							93	0.9	0.48
10/7/2020	0.93	1.6	0.43	0.47	0.63	0.67			
10/8/2020							100		
10/9/2020								0.76	0.58
3/29/2021	1	1.6	0.46	0.43	0.68	0.75			
3/31/2021									0.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							97	0.61	
9/2/2021	1.1	1.5	0.47	0.63	0.56	0.73			
9/7/2021							56	0.53	0.46
3/22/2022	0.9	1.6	0.33	0.38	0.81	0.7			
3/24/2022							75	3.9	0.59
9/7/2022	1		0.61	0.6					
9/8/2022		2.1			0.69	0.82			
9/12/2022							74		0.71
9/16/2022								58	
4/6/2023	0.81	2.1	0.32	0.42		0.68			
4/7/2023					0.49				
4/10/2023								7.5	0.57
4/11/2023							73		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	84	160
5/2/2016		
5/3/2016		
5/4/2016	90	140
7/5/2016		
7/6/2016	72	120
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	75	94
9/8/2016		
11/7/2016		
11/8/2016	79	160
11/10/2016		
1/9/2017		
1/10/2017	61	150
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		78
3/16/2017	62	
5/15/2017		
5/16/2017	64	120
5/18/2017		
10/2/2017		
10/3/2017	59	160
10/5/2017		
12/20/2017	65	120
3/12/2018		
3/13/2018	77	110
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	78	97
6/10/2018		
10/16/2018		
10/17/2018	60	130
10/18/2018		
2/27/2019	65	
2/28/2019		120
5/31/2019	84	110
11/6/2019		
11/11/2019	63	82
4/16/2020		
4/18/2020	48	150
10/7/2020		
10/8/2020	55	
10/9/2020		120
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	73	170
9/2/2021		
9/7/2021	66	190
3/22/2022		
3/24/2022	68	200
9/7/2022		
9/8/2022		
9/12/2022	63	130
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		230
4/11/2023	75	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-304	MW-308	MW-303
2/29/2016	5.3	8.1	5.4	7.4					
3/1/2016					5.6	4			
3/3/2016							110	43	36
5/2/2016	4.4	6		6.3		3.6			
5/3/2016					5.1				
5/4/2016			4.5				120	63	47
7/5/2016	4.2	5.2		4.8	4.7	3.6			
7/6/2016							130	51	28
7/7/2016									
7/8/2016			4.9						
9/6/2016	4.3	5.5	4.3	6	4.4	4			
9/7/2016							43	57	
9/8/2016									47
11/7/2016	4.2	5.4		5.7	4.6	4.4			
11/8/2016							98	47	150
11/10/2016			4.5						
1/9/2017	5.3	6.1		6.8	5.3	4.4			
1/10/2017							150	45	110
1/11/2017			5.3						
3/13/2017	5.2	5.5		6.8	5.6	4.1			
3/14/2017			5.5						
3/15/2017							65		
3/16/2017								40	200
5/15/2017	4.8	4.7		6.1	5.2	3.7			120
5/16/2017							120	39	
5/18/2017			5						
10/2/2017	5.5	6.1		6	5.5	4.8			
10/3/2017							21	20	38
10/5/2017			5.6						
12/20/2017							79	63	22
3/12/2018	5.3	6.1		5.9	5.6	4			
3/13/2018							84	130	82
3/14/2018			5.2						
6/5/2018	5.3	5.5		6.5					
6/6/2018					5.6	4.1			
6/7/2018							86	120	170
6/10/2018			5.2						
10/16/2018	5.5	5.1		5.9					
10/17/2018					5.5	3.7	45	70	110
10/18/2018			5.2						
2/27/2019	4.6	5	5.1	4.3	5.1	4		94	
2/28/2019							110		49
5/31/2019	5.1	5.4	5	4.5	5.4	3.7	130	110	50
11/6/2019	5.8	6.1	6	5.7	5.9	4.7			
11/11/2019							81	62	63
4/16/2020	6.1	5.3	5.8	5.6	6.2	4.9			
4/18/2020							140	33	96
10/7/2020	6.6	5.7	5.9	5.1	6.1	4.7			
10/8/2020								36	230
10/9/2020							14		
3/29/2021	10	5.2	5.8	5	6.2	5.4			
3/31/2021									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-304	MW-308	MW-303
4/1/2021							71	96	48
9/2/2021	5.8	5.1	5.1	5.2	5.9	5.1			
9/7/2021							25	88	46
3/22/2022	5.9	4.7	4.9	8.8	5.6	4.8			
3/24/2022							140	64	36
9/7/2022	4.4	3.6	3.4						
9/8/2022				3.4	4.3	5.3			
9/12/2022							64	40	29
9/16/2022									
4/6/2023	4.3	3.8	3.6	4.2		4.2			
4/7/2023					4.1				
4/10/2023							82		
4/11/2023								20	29

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-305	MW-300
2/29/2016		
3/1/2016		
3/3/2016	7.9	8.2
5/2/2016		
5/3/2016		
5/4/2016	7	8.2
7/5/2016		
7/6/2016		
7/7/2016	7.1	8.3
7/8/2016		
9/6/2016		
9/7/2016	6.9	8.1
9/8/2016		
11/7/2016	8	
11/8/2016		8.5
11/10/2016		
1/9/2017		
1/10/2017	<7.4 (*)	9.1
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	8.1	48
3/16/2017		
5/15/2017		
5/16/2017	7.8	8.9
5/18/2017		
10/2/2017		
10/3/2017	7.1	8.9
10/5/2017		
12/20/2017	7.6	8.8
3/12/2018		
3/13/2018	6.9	8.3
3/14/2018		
6/5/2018		
6/6/2018		8
6/7/2018	7.3	
6/10/2018		
10/16/2018		
10/17/2018	6.8	
10/18/2018		8.1
2/27/2019		
2/28/2019	7.1	9.1
5/31/2019	9.8	8.2
11/6/2019		
11/11/2019	12	8.4
4/16/2020		
4/18/2020	8.2	8.7
10/7/2020		
10/8/2020		
10/9/2020	7.5	8.9
3/29/2021		
3/31/2021		8.4

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-305	MW-300
4/1/2021	7.4	
9/2/2021		
9/7/2021	7	8.3
3/22/2022		
3/24/2022	9.2	9.2
9/7/2022		
9/8/2022		
9/12/2022		7.1
9/16/2022	21	
4/6/2023		
4/7/2023		
4/10/2023	6.4	6.1
4/11/2023		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-305	MW-308
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/3/2016							0.041 (J)	0.035 (J)	0.11
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1				
5/4/2016				<0.1			<0.1	<0.1	0.07 (J)
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
7/6/2016									0.07 (J)
7/7/2016							<0.1	<0.1	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016							<0.1	<0.1	0.06 (J)
9/8/2016									
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1		<0.1	
11/8/2016							<0.1		0.06 (J)
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/10/2017							<0.1	<0.1	0.04 (J)
1/11/2017				<0.1					
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/15/2017							<0.1	<0.1	
3/16/2017									0.06 (J)
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017							<0.1	<0.1	0.09 (J)
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							<0.1	<0.1	0.13
10/5/2017				<0.1					
12/20/2017									0.1
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							<0.1	<0.1	0.1
3/14/2018				0.12					
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1	<0.1		
6/7/2018								<0.1	0.14
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1		<0.1	0.14
10/18/2018				<0.1			<0.1		
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			0.16
2/28/2019							<0.1	<0.1	
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							<0.1	<0.1	0.16
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1	<0.1	0.17
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/8/2020									0.07 (J)
10/9/2020							<0.1	<0.1	
3/29/2021	0.06	<0.1	<0.1	<0.1	<0.1	<0.1			
3/31/2021							<0.1		

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-305	MW-308
4/1/2021								0.032	0.19
9/2/2021	0.08 (J)	<0.1	0.1	0.04 (J)	<0.1	0.04 (J)			
9/7/2021							<0.1	<0.1	0.17
3/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
3/24/2022							<0.1	<0.1	0.14
9/7/2022	<0.1		<0.1	<0.1					
9/8/2022		<0.1			<0.1	<0.1			
9/12/2022							<0.1		<0.1
9/16/2022								4.6	
4/6/2023	<0.1	<0.1	<0.1	<0.1		<0.1			
4/7/2023					<0.1				
4/10/2023							<0.1	0.81	
4/11/2023									0.17

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-303
2/29/2016		
3/1/2016		
3/3/2016	0.12	0.15
5/2/2016		
5/3/2016		
5/4/2016	0.19	0.11
7/5/2016		
7/6/2016	0.15	0.13
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	0.06 (J)	
9/8/2016		0.12
11/7/2016		
11/8/2016	0.09 (J)	0.13
11/10/2016		
1/9/2017		
1/10/2017	<0.1	0.15
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	<0.1	
3/16/2017		0.16
5/15/2017		0.2
5/16/2017	0.04 (J)	
5/18/2017		
10/2/2017		
10/3/2017	0.07 (J)	0.25
10/5/2017		
12/20/2017		0.25
3/12/2018		
3/13/2018	<0.1	0.26
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	<0.1	0.28
6/10/2018		
10/16/2018		
10/17/2018	0.06 (J)	0.29
10/18/2018		
2/27/2019		
2/28/2019	<0.1	0.28
5/31/2019	<0.1	0.33
11/6/2019		
11/11/2019	<0.1	0.26
4/16/2020		
4/18/2020	<0.1	0.25
10/7/2020		
10/8/2020		<0.1
10/9/2020	0.04 (J)	
3/29/2021		
3/31/2021		

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-303
4/1/2021	0.04	0.26
9/2/2021		
9/7/2021	0.7	0.24
3/22/2022		
3/24/2022	<0.1	0.22
9/7/2022		
9/8/2022		
9/12/2022	<0.1	0.15 (J)
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023	<0.1	
4/11/2023		0.19

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-303	MW-305
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016					<5	<5			
3/3/2016							550	180	<5
5/2/2016	15 (o)	<5		2.1 (J)	<5				
5/3/2016						<5			
5/4/2016			<5				520	200	<5
7/5/2016	<5	<5		2 (J)	<5	<5			
7/6/2016							510	150	
7/7/2016									<5
7/8/2016			<5						
9/6/2016	<5	<5	<5	1.8 (J)	3.7 (J)	<5			
9/7/2016							340		<5
9/8/2016								160	
11/7/2016	<5	<5		1.7 (J)	<5	<5			<5
11/8/2016							630	230	
11/10/2016			<5						
1/9/2017	<5	2.6 (J)		1.5 (J)	<5	<5			
1/10/2017							580	190	<5
1/11/2017			<5						
3/13/2017	2.5 (J)	<5		2.2 (J)	<5	<5			
3/14/2017			<5						
3/15/2017							250		<5 (*)
3/16/2017								190	
5/15/2017	<5	<5		1.9 (J)	<5	<5		190	
5/16/2017							410		<5
5/18/2017			<5 (X)						
10/2/2017	<5	<5		3.4 (J)	1.7 (J)	1.5 (J)			
10/3/2017							440	130	<5
10/5/2017			<5						
12/20/2017							400	85	
3/12/2018	<5	<5		2.6 (J)	<5	<5			
3/13/2018							460	160	1.5 (J)
3/14/2018			<5						
6/5/2018	<5	<5		2.6 (J)					
6/6/2018					<5	<5			
6/7/2018							420	280	<5
6/10/2018			1.5 (J)						
10/16/2018	<5	<5		2.8 (J)					
10/17/2018					<5	<5	320	250	<5
10/18/2018			<5						
2/27/2019	<5	<5	1.9 (J)	2.4 (J)	<5	<5			
2/28/2019							490	140	2.6 (J)
5/31/2019	<5	<5	<5	3.3 (J)	<5	<5	500	140	12
11/6/2019	<5	<5	<5	3.7 (J)	<5	<5			
11/11/2019							340	230	5.5
4/16/2020	<5	<5	<5	1.7 (J)	<5	<5			
4/18/2020							600	260	<5
10/7/2020	<5	<5	<5	4 (J)	<5	<5			
10/8/2020								160	
10/9/2020							300		<5
3/29/2021	<5	<5	<5	2.3	<5	<5			
3/31/2021									

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-303	MW-305
4/1/2021							750	320	1.9
9/2/2021	<5	<5	<5	4.7 (J)	<5	<5			
9/7/2021							530	120	<5
3/22/2022	<5	<5	<5	4.5 (J)	<5	<5			
3/24/2022							680	180	18
9/7/2022	1.7 (J)	1.4 (J)	1.5 (J)						
9/8/2022				5.5	<5	<5			
9/12/2022							450	190	
9/16/2022									530
4/6/2023	<5	<5	<5	4.8 (J)	<5				
4/7/2023						<5			
4/10/2023							610		74
4/11/2023								180	

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	<5	230
5/2/2016		
5/3/2016		
5/4/2016	<5	280
7/5/2016		
7/6/2016		270
7/7/2016	<5	
7/8/2016		
9/6/2016		
9/7/2016	<5	280
9/8/2016		
11/7/2016		
11/8/2016	<5	280
11/10/2016		
1/9/2017		
1/10/2017	<5	240
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	<5 (*)	
3/16/2017		220
5/15/2017		
5/16/2017	<5	200
5/18/2017		
10/2/2017		
10/3/2017	<5	180
10/5/2017		
12/20/2017		170
3/12/2018		
3/13/2018	<5	210
3/14/2018		
6/5/2018		
6/6/2018	<5	
6/7/2018		210
6/10/2018		
10/16/2018		
10/17/2018		140
10/18/2018	<5	
2/27/2019		150
2/28/2019	<5	
5/31/2019	<5	210
11/6/2019		
11/11/2019	<5	170
4/16/2020		
4/18/2020	<5	120
10/7/2020		
10/8/2020		170
10/9/2020	<5	
3/29/2021		
3/31/2021	18	

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-308
4/1/2021		190
9/2/2021		
9/7/2021	<5	140
3/22/2022		
3/24/2022	<5	1700
9/7/2022		
9/8/2022		
9/12/2022	<5	140
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023	<5	
4/11/2023		110

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/3/2016							420	18	18
5/2/2016	<5	6	<5			36			
5/3/2016					<5				
5/4/2016				6			450	38	28
7/5/2016	12	<5	14		<5	<5			
7/6/2016							280		
7/7/2016								<5	<5
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/7/2016								14	8
9/8/2016							410		
11/7/2016	18	<5	8		<5	30		32	
11/8/2016							580		24
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/10/2017							530	32	30
1/11/2017				38					
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/15/2017								20	32
3/16/2017							650		
5/15/2017	<5	<5	<5		6	4 (J)	500		
5/16/2017								18	<5
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017							310	36	34
10/5/2017				<5					
12/20/2017							150		
3/12/2018	18	<5	14		<5	<5			
3/13/2018							450	12	26
3/14/2018				8					
6/5/2018	10	14	<5						
6/6/2018					20	16			64
6/7/2018							620	<5	
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44	700	68	
10/18/2018				28					12
2/27/2019	110	110	54	68	20	28			
2/28/2019							330	28	20
5/31/2019	46	26	8	<5	32	18	300	50	36
11/6/2019	<5	<5	4 (J)	10	24	20			
11/11/2019							390	38	66
4/16/2020	28	8	18	44	6	8			
4/18/2020							520	36	62
10/7/2020	30	26	20	24	16	12			
10/8/2020							850		
10/9/2020								42	52
3/29/2021	38	28	12	26	42	40			
3/31/2021									48

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							600	52	
9/2/2021	40	8	10	8	10	<5			
9/7/2021							360	24	54
3/22/2022	58	46	18	14	84	22			
3/24/2022							440	62	16
9/7/2022	36		22	14					
9/8/2022		44			24	48			
9/12/2022							460		22
9/16/2022								770	
4/6/2023	34	14	22	24		16			
4/7/2023					24				
4/10/2023								150	24
4/11/2023							440		

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	490	1100
5/2/2016		
5/3/2016		
5/4/2016	690	1200
7/5/2016		
7/6/2016	500	870
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	590	650
9/8/2016		
11/7/2016		
11/8/2016	530	1100
11/10/2016		
1/9/2017		
1/10/2017	510	1300
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		500
3/16/2017	420	
5/15/2017		
5/16/2017	430	850
5/18/2017		
10/2/2017		
10/3/2017	320	760
10/5/2017		
12/20/2017	410	830
3/12/2018		
3/13/2018	590	880
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	530	670
6/10/2018		
10/16/2018		
10/17/2018	390	770
10/18/2018		
2/27/2019	420	
2/28/2019		880
5/31/2019	620	1200
11/6/2019		
11/11/2019	410	370
4/16/2020		
4/18/2020	280	1000
10/7/2020		
10/8/2020	380	
10/9/2020		580
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 2:37 PM View: 300 Series Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	560	1200
9/2/2021		
9/7/2021	450	1000
3/22/2022		
3/24/2022	470	1400
9/7/2022		
9/8/2022		
9/12/2022	370	930
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		1400
4/11/2023	480	

Trend Tests - 100, 200 & 300 Series

100 Series

Appendix III - 100 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.0563**	**119**	**92**	**Yes**	**22**	**18.18**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-104**	**4.874**	**139**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4195**	**158**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.031**	**142**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-105**	**0.05361**	**132**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1232**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 100 Series - Trend Tests - All Results

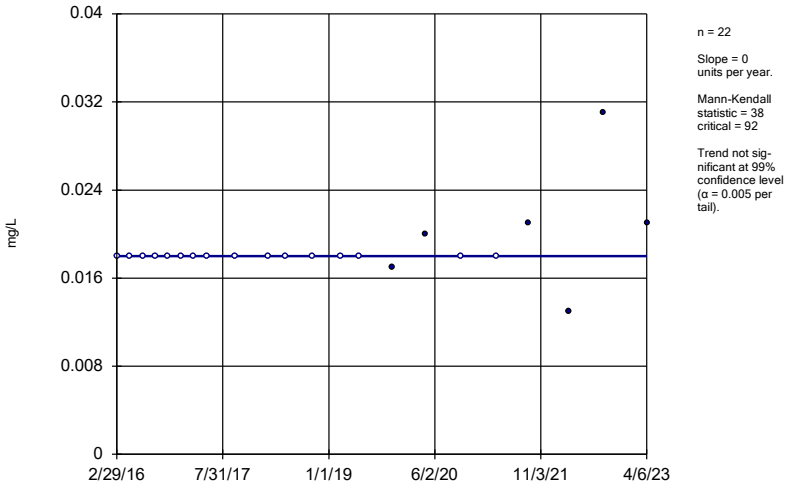
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.01718	-42	-98	No	23	13.04	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.2072	36	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.007256	4	98	No	23	8.696	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.0563**	**119**	**92**	**Yes**	**22**	**18.18**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.17	87	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-103	-0.1147	-79	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-104**	**4.874**	**139**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-105	0.1862	11	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4195**	**158**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	0.2944	15	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-104	0	4	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	-2.31	-69	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.031**	**142**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	-1.365	-17	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01199	49	98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-105**	**0.05361**	**132**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1232**	**-168**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.01396	-40	-98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.482	-89	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	35.32	64	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	0.4083	5	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-109	1.08	54	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	5.305	46	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	34.37	28	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	-6.51	-28	-98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	15.17	35	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 38 critical = 92

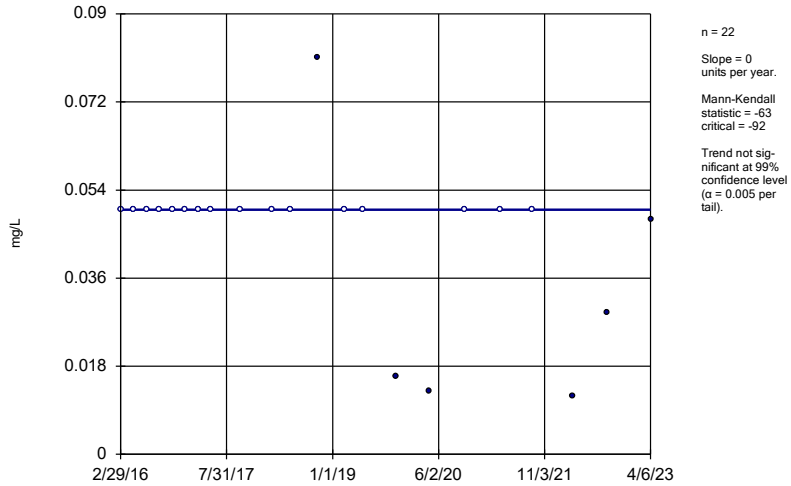
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -63 critical = -92

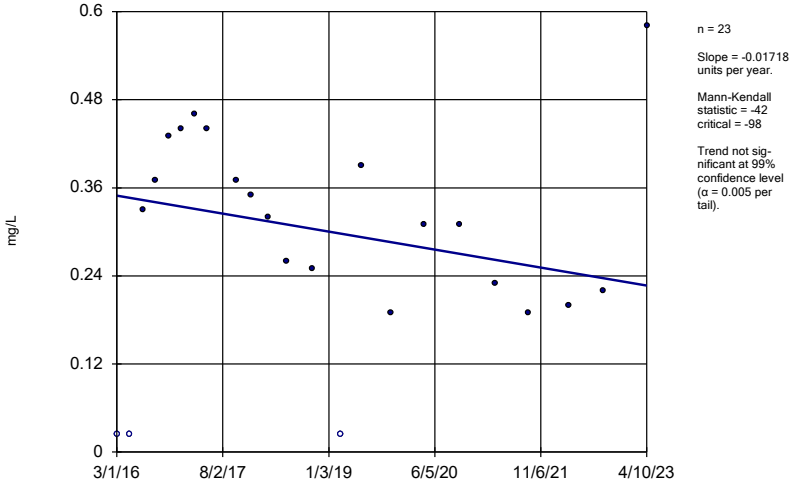
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-103



n = 23

Slope = -0.01718 units per year.

Mann-Kendall statistic = -42 critical = -98

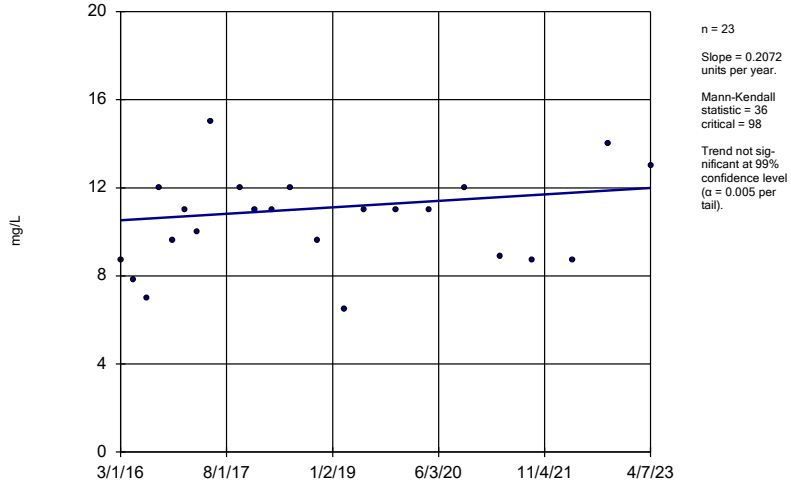
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 23

Slope = 0.2072 units per year.

Mann-Kendall statistic = 36 critical = 98

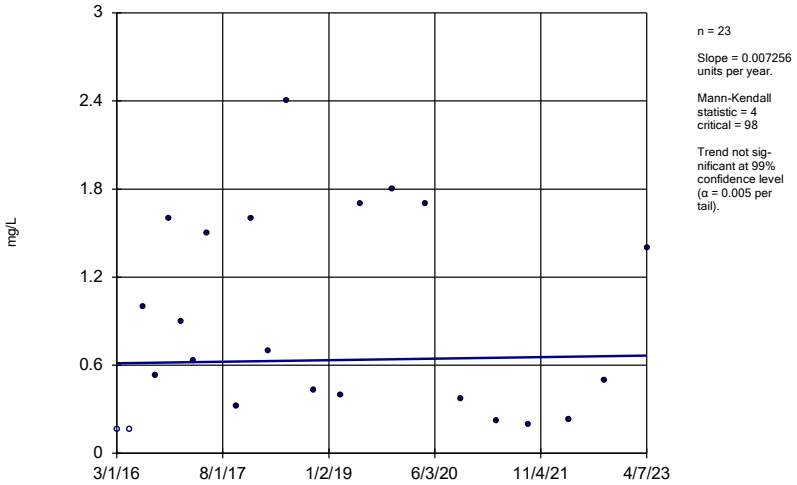
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-105



n = 23

Slope = 0.007256 units per year.

Mann-Kendall statistic = 4
critical = 98

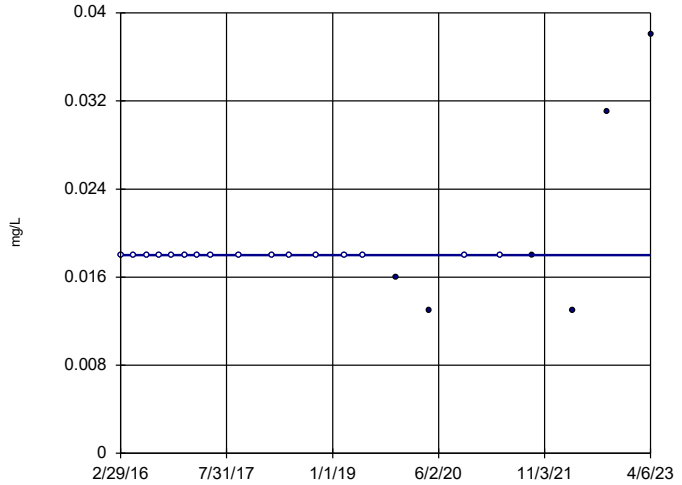
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 92

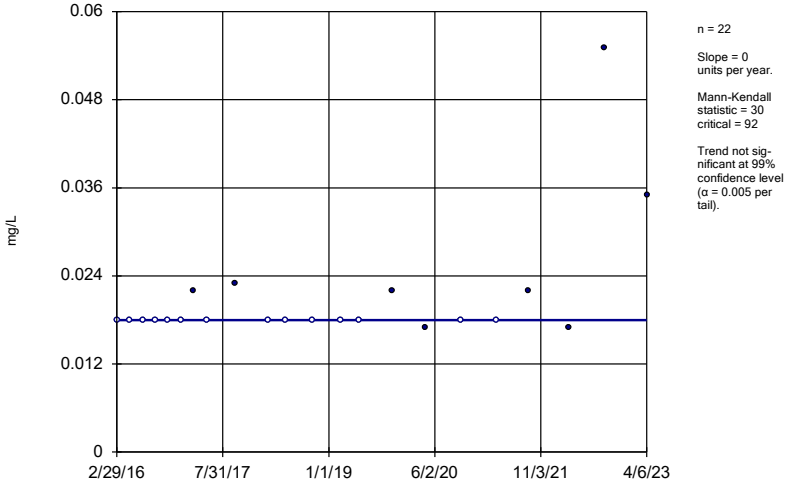
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 30
critical = 92

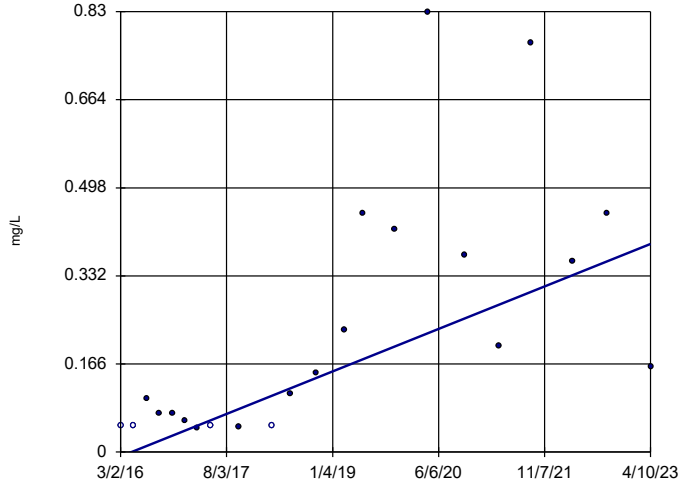
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-109



n = 22

Slope = 0.0563 units per year.

Mann-Kendall statistic = 119
critical = 92

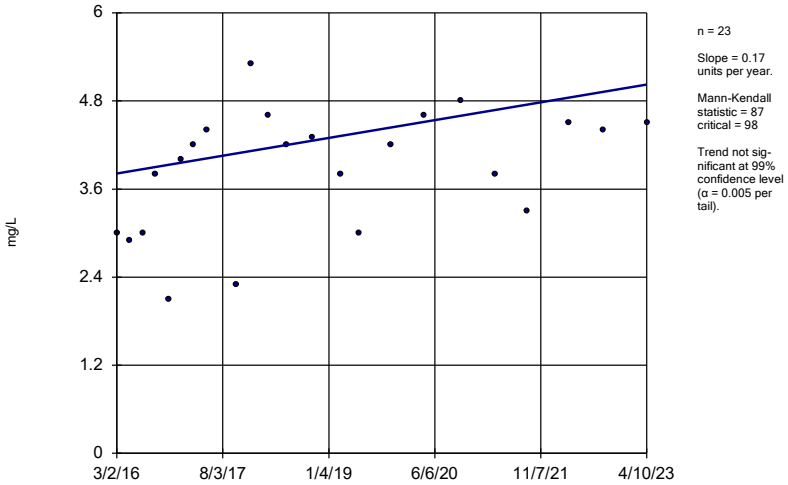
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 23

Slope = 0.17 units per year.

Mann-Kendall statistic = 87 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

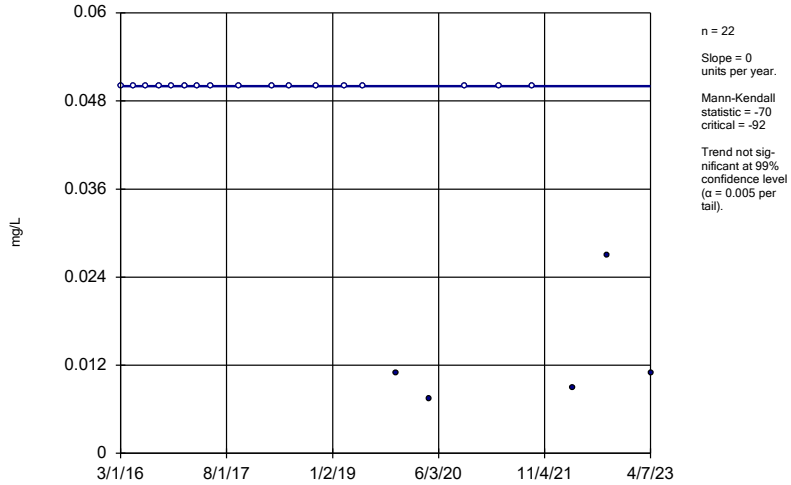
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -70 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

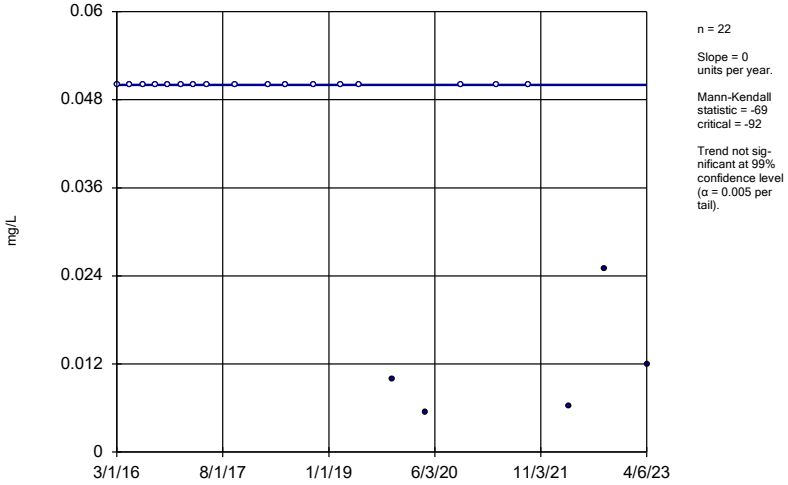
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -69 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

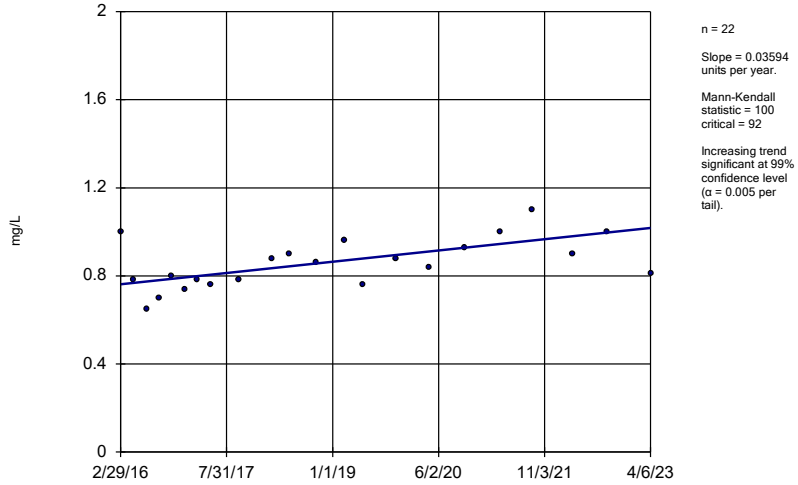
Constituent: Boron Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.03594 units per year.

Mann-Kendall statistic = 100 critical = 92

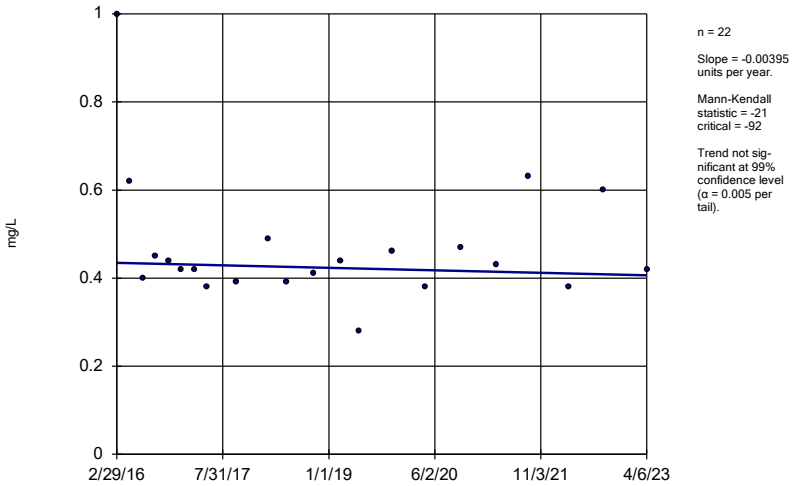
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.00395 units per year.

Mann-Kendall statistic = -21
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

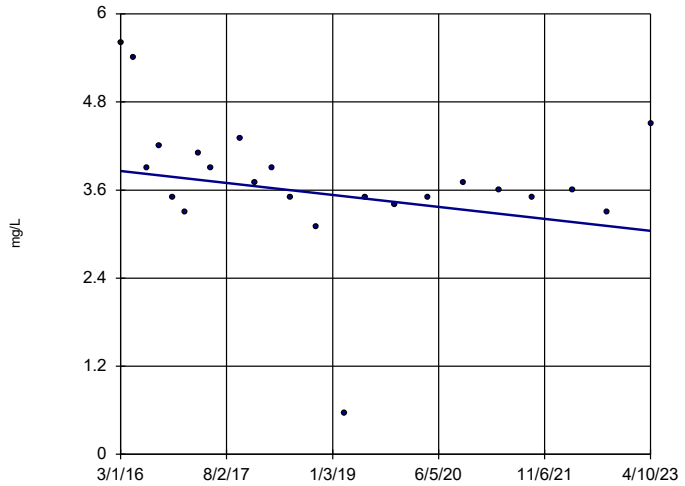
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 23

Slope = -0.1147 units per year.

Mann-Kendall statistic = -79
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

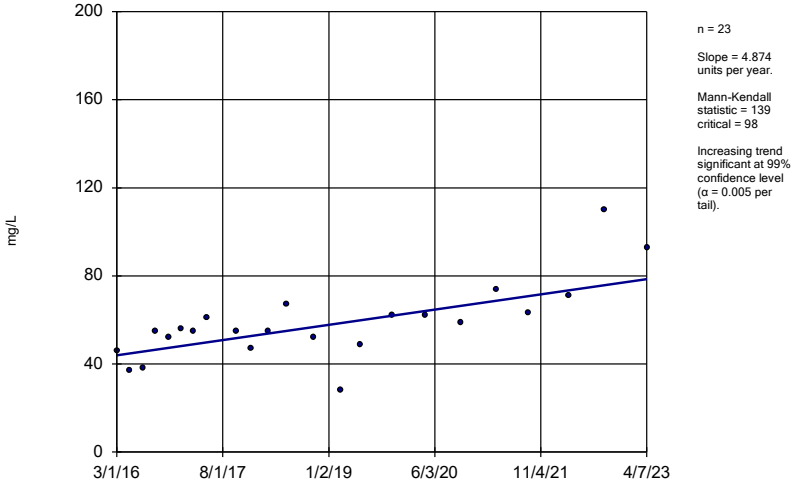
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 23

Slope = 4.874 units per year.

Mann-Kendall statistic = 139
critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

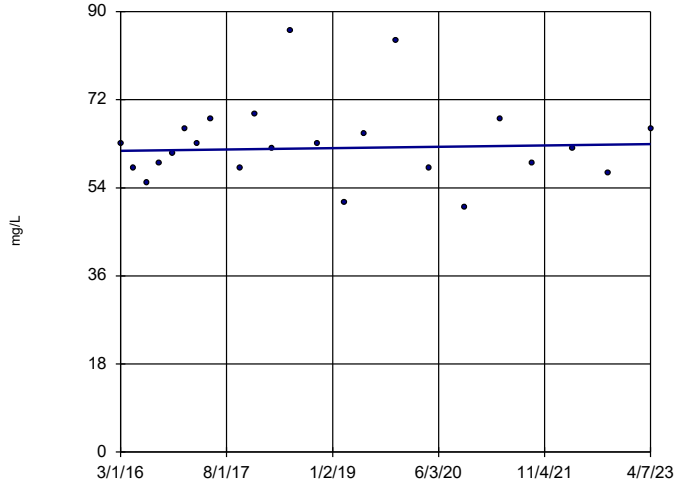
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 23

Slope = 0.1862 units per year.

Mann-Kendall statistic = 11
critical = 98

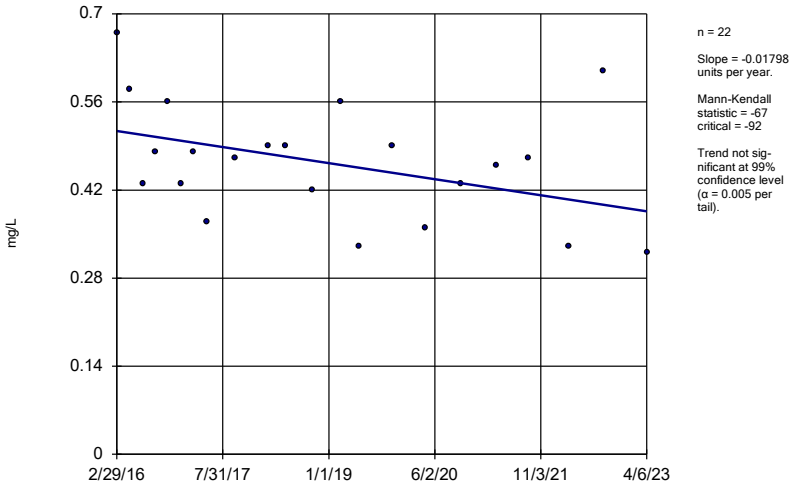
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.01798 units per year.

Mann-Kendall statistic = -67
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

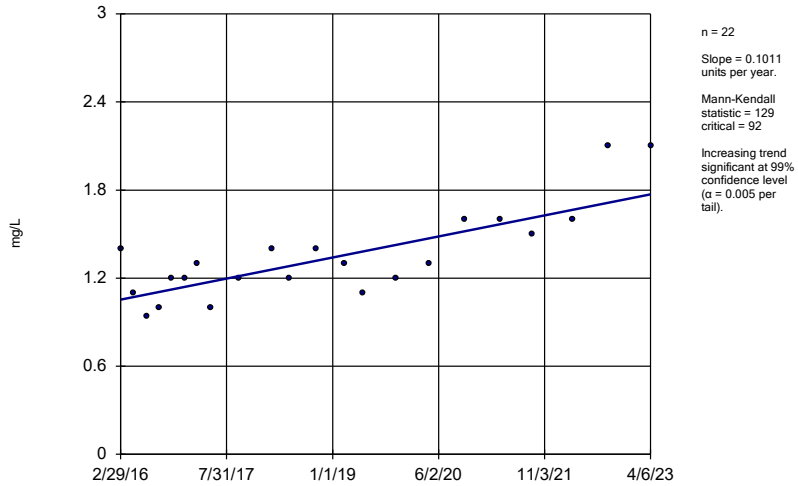
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1011 units per year.

Mann-Kendall statistic = 129
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

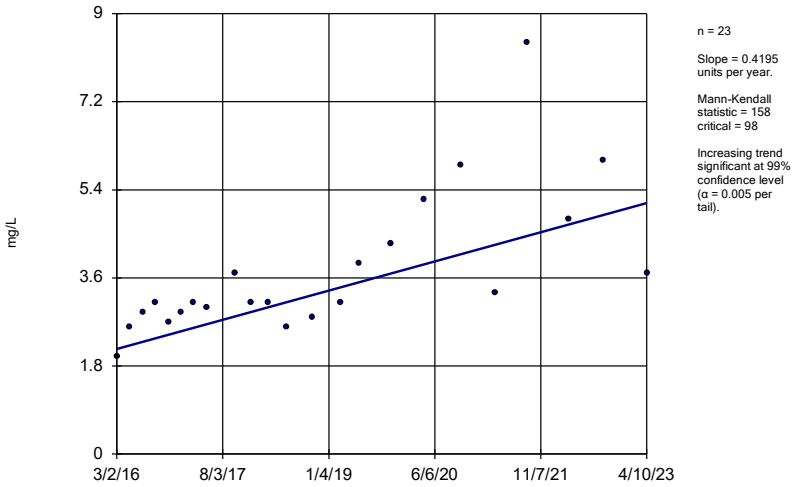
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 23

Slope = 0.4195 units per year.

Mann-Kendall statistic = 158
critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

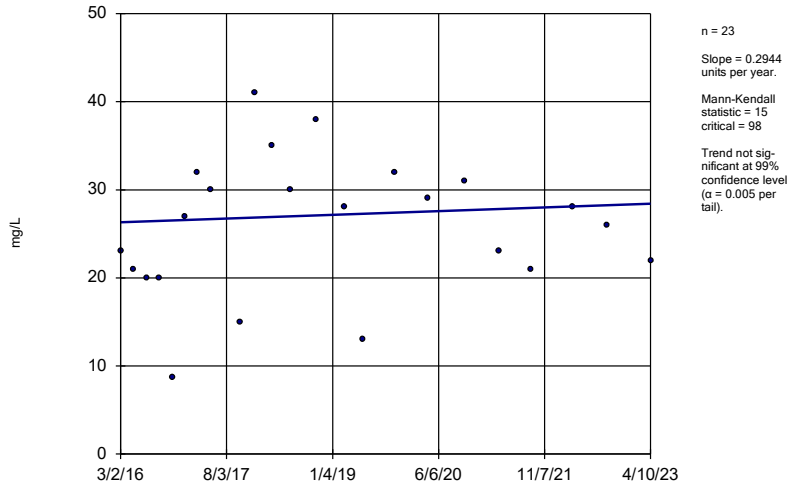
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 23

Slope = 0.2944 units per year.

Mann-Kendall statistic = 15
critical = 98

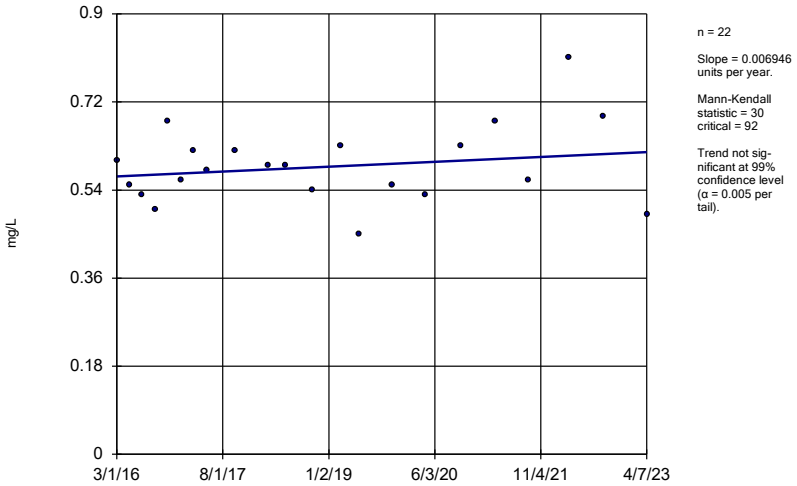
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.006946 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

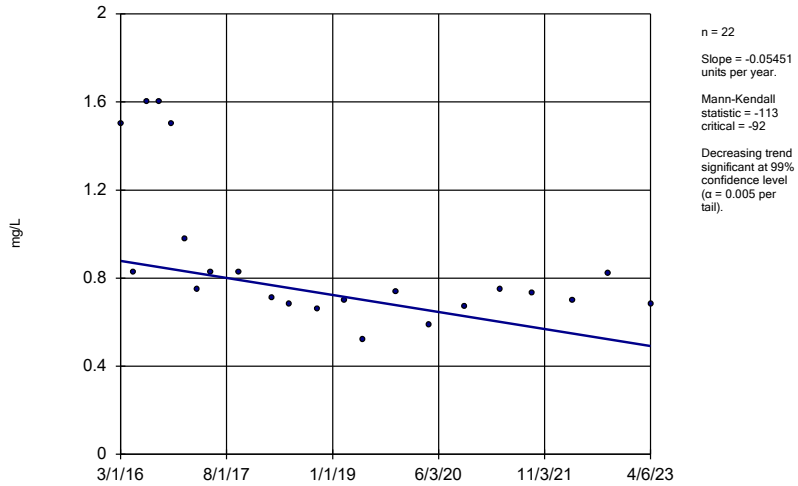
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.05451 units per year.

Mann-Kendall statistic = -113 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

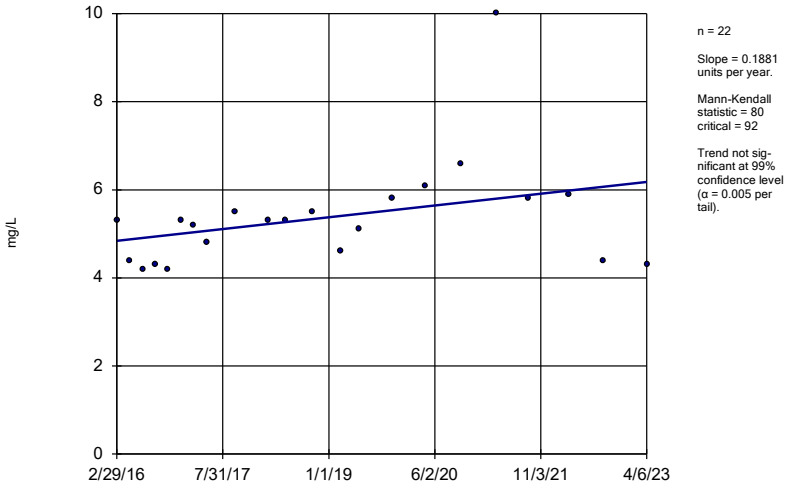
Constituent: Calcium Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.1881 units per year.

Mann-Kendall statistic = 80 critical = 92

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

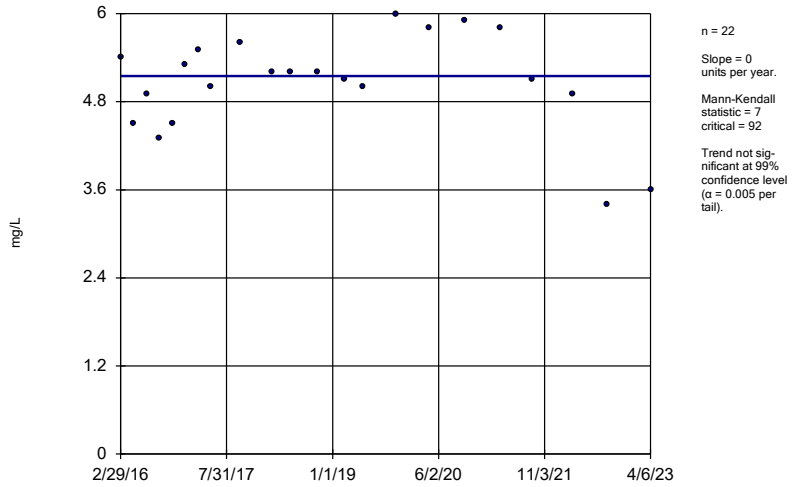
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

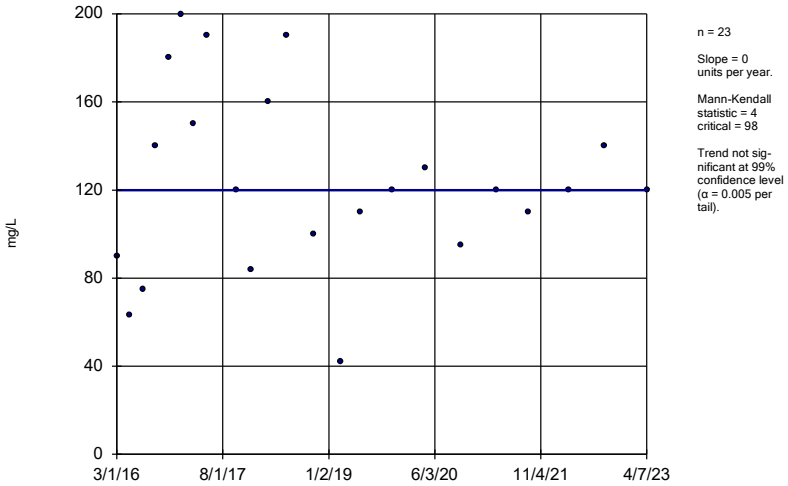
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-104



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 4 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

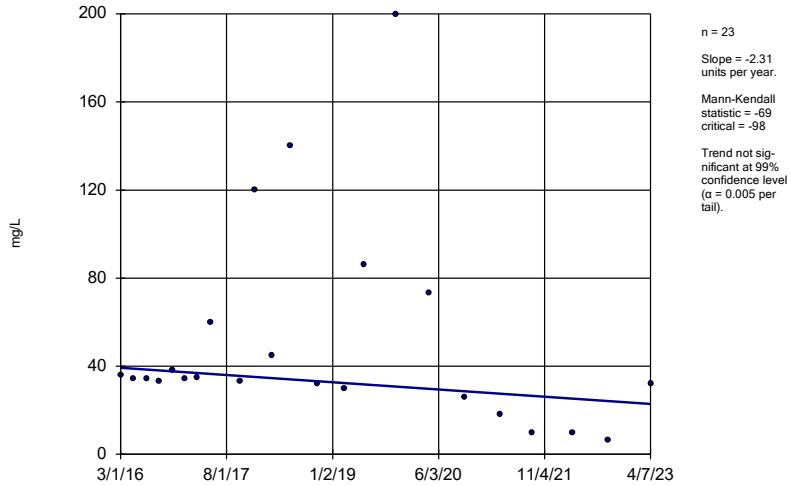
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 23

Slope = -2.31 units per year.

Mann-Kendall statistic = -69 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

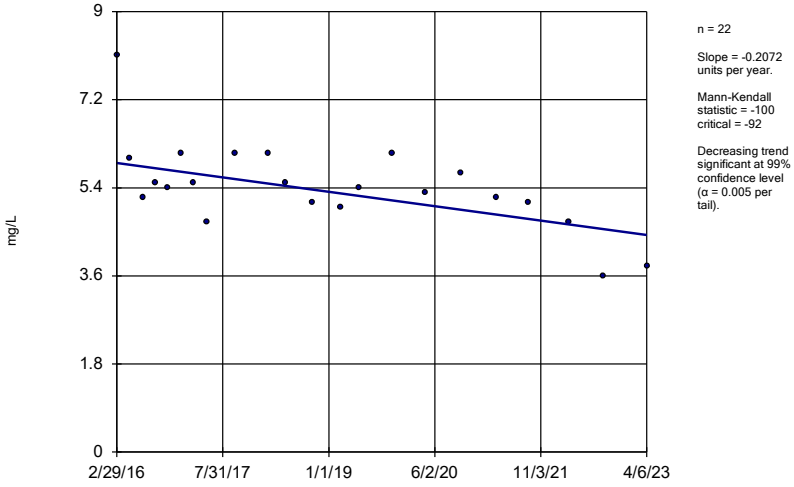
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.2072 units per year.

Mann-Kendall statistic = -100 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

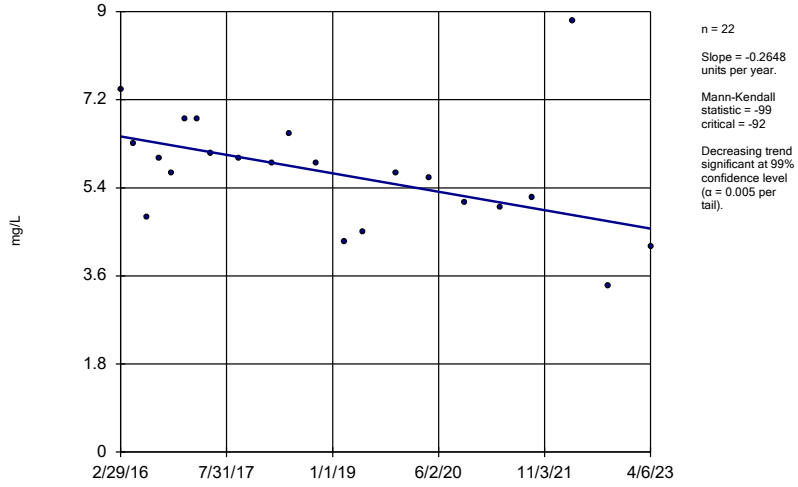
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = -0.2648 units per year.

Mann-Kendall statistic = -99 critical = -92

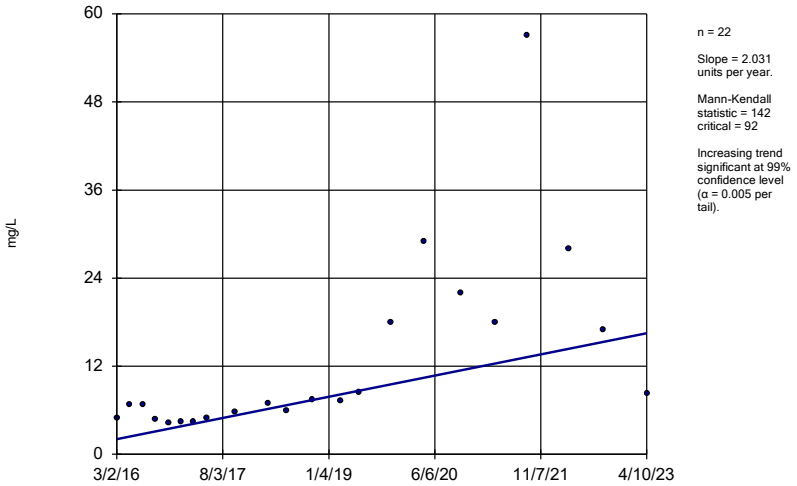
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-109



n = 22

Slope = 2.031 units per year.

Mann-Kendall statistic = 142 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

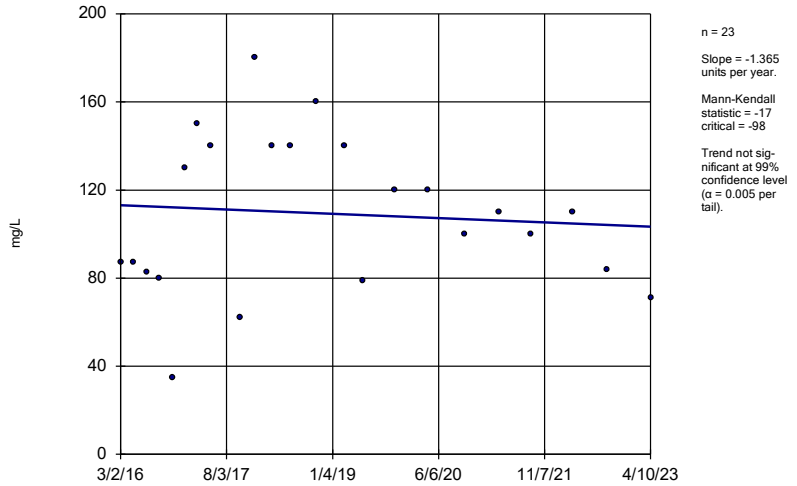
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 23

Slope = -1.365 units per year.

Mann-Kendall statistic = -17 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

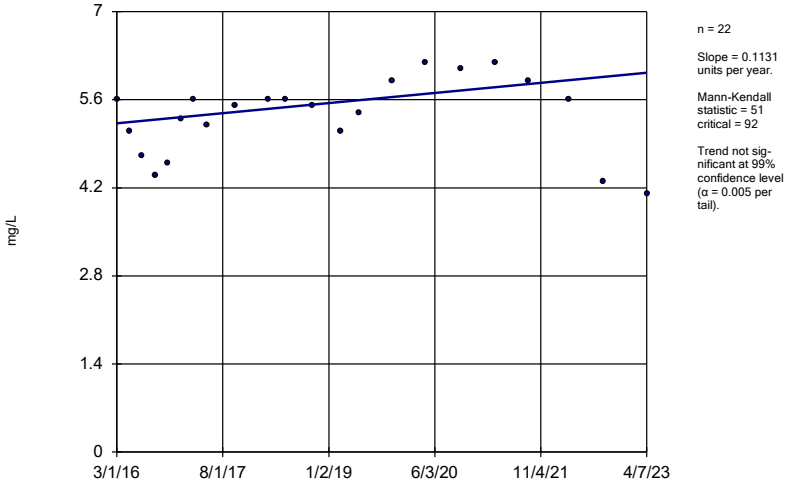
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.1131 units per year.

Mann-Kendall statistic = 51 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

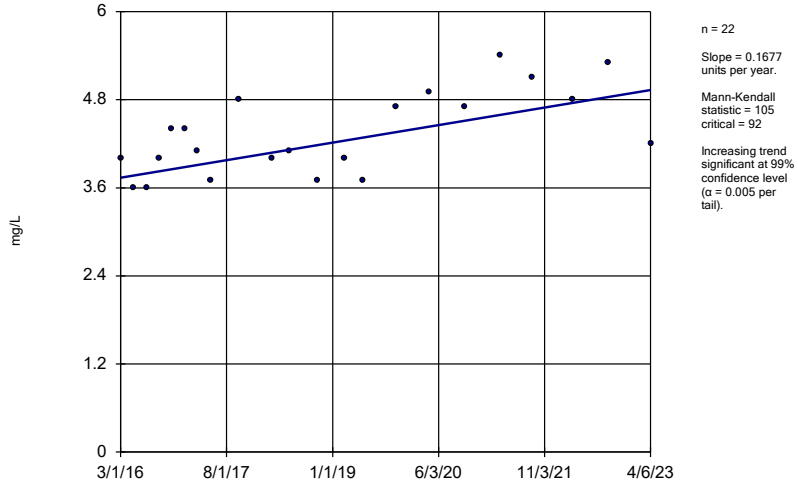
Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.1677 units per year.

Mann-Kendall statistic = 105 critical = 92

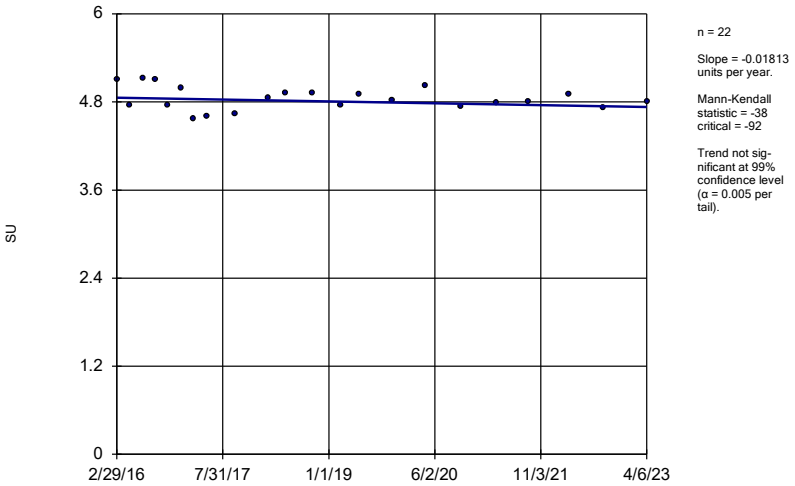
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = -0.01813 units per year.

Mann-Kendall statistic = -38
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

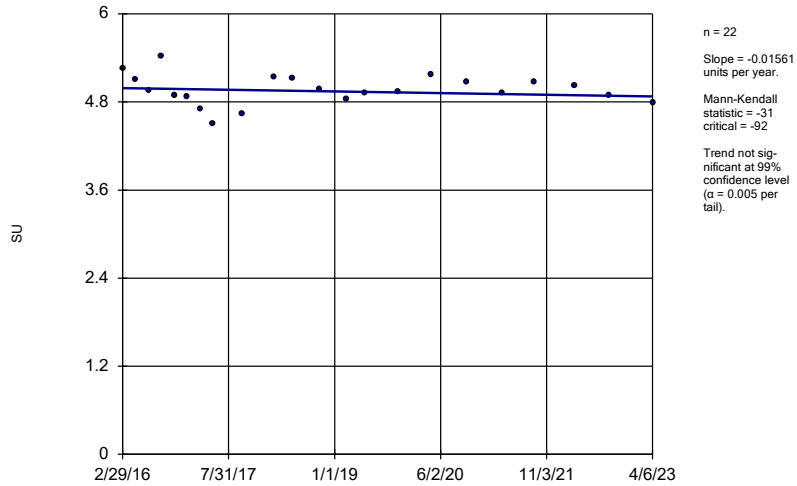
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.01561 units per year.

Mann-Kendall statistic = -31
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

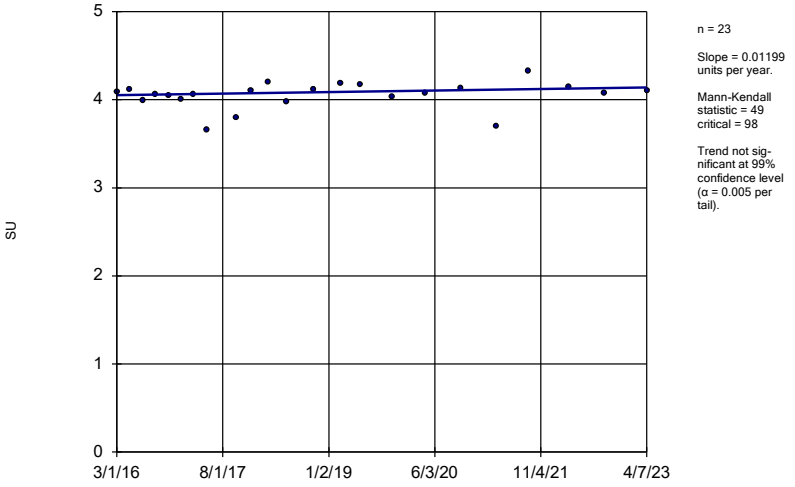
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 23

Slope = 0.01199 units per year.

Mann-Kendall statistic = 49
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

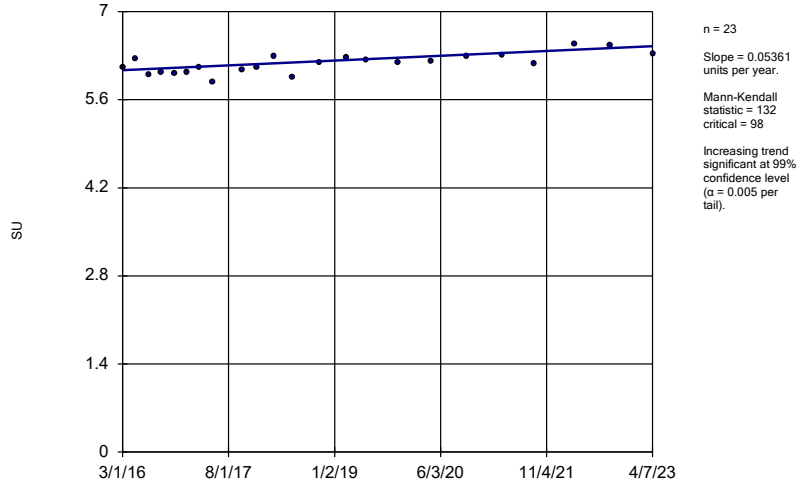
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 23

Slope = 0.05361 units per year.

Mann-Kendall statistic = 132
critical = 98

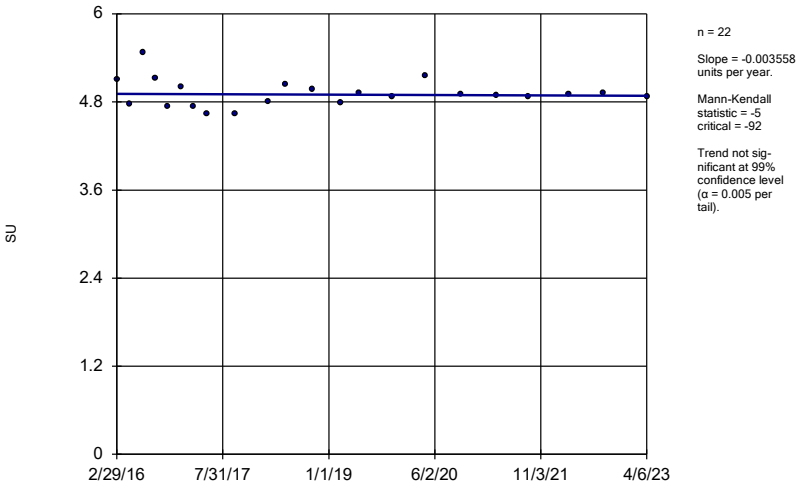
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.003558 units per year.

Mann-Kendall statistic = -5
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

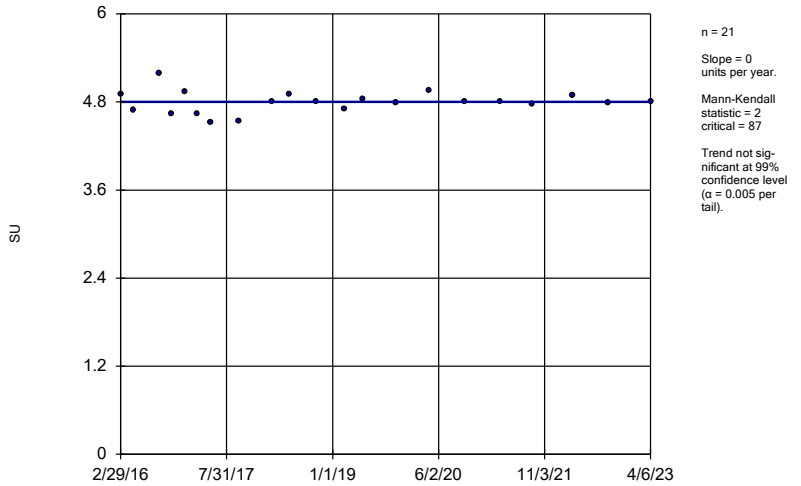
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

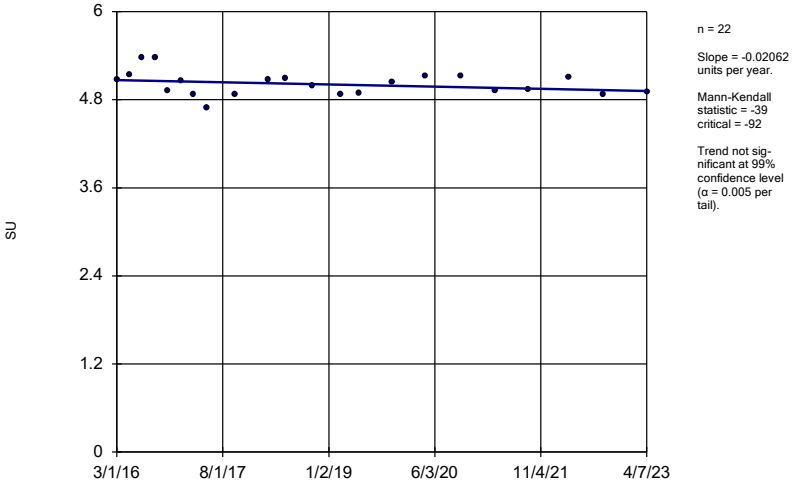
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = -0.02062 units per year.

Mann-Kendall statistic = -39
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

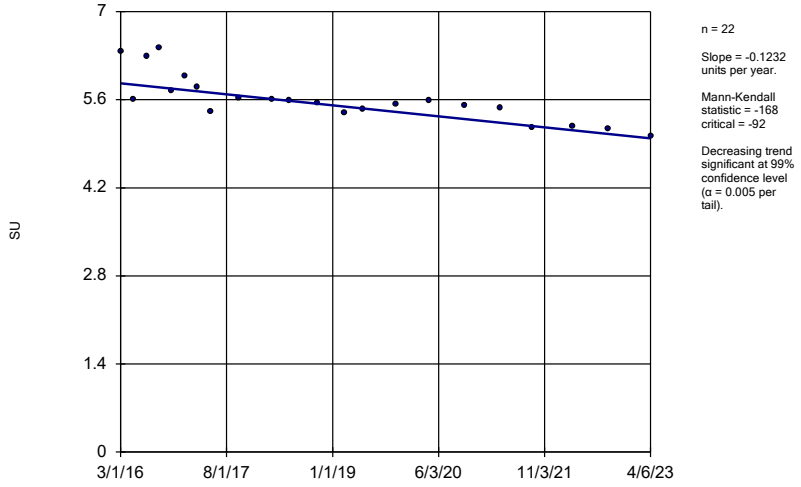
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.1232 units per year.

Mann-Kendall statistic = -168
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

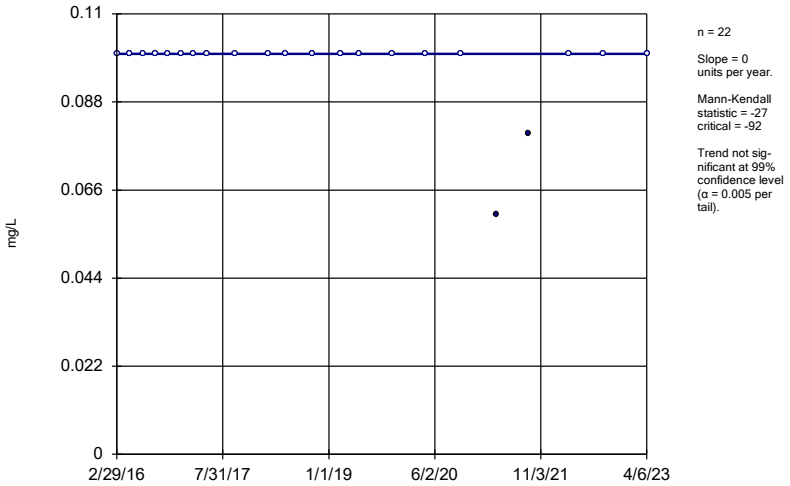
Constituent: Field pH Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -92

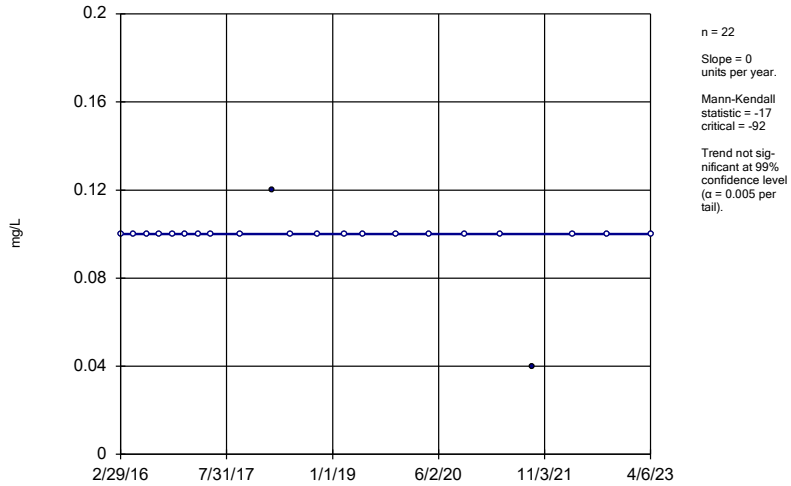
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -92

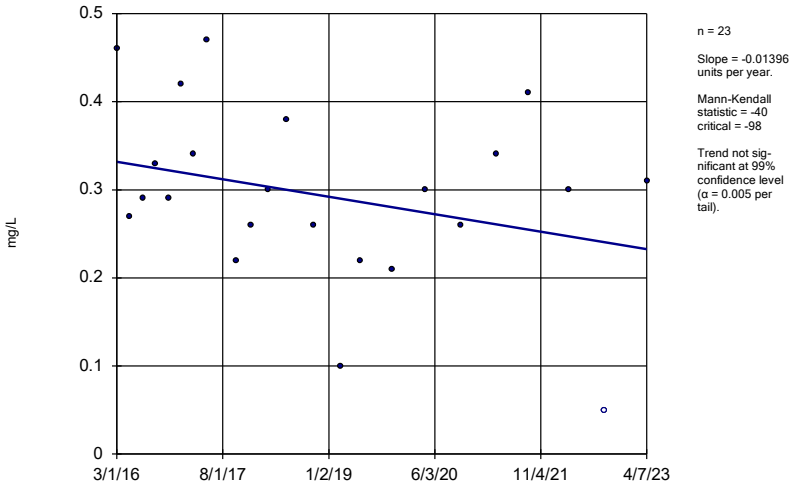
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-104



n = 23

Slope = -0.01396 units per year.

Mann-Kendall statistic = -40
critical = -98

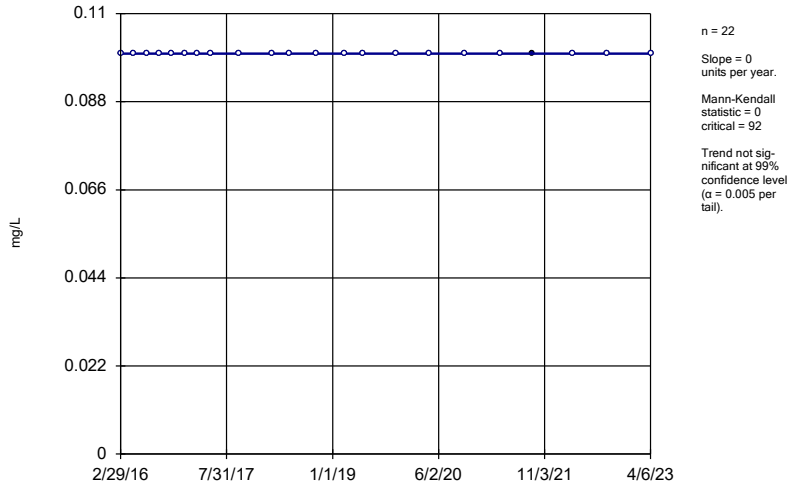
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 92

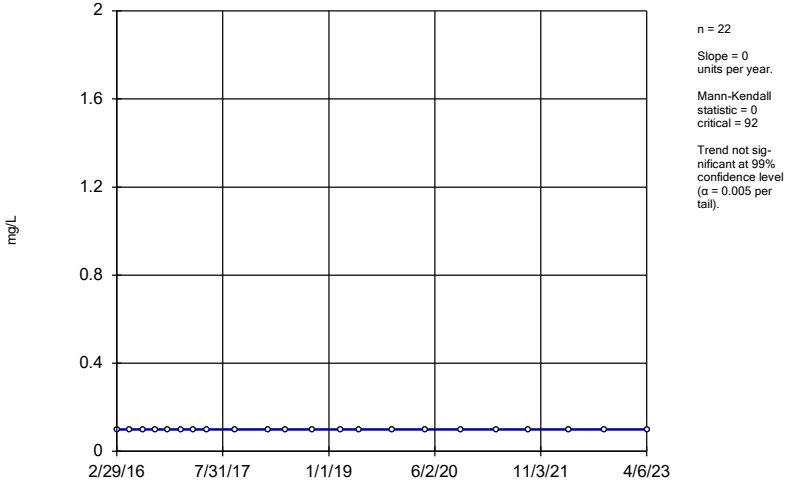
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

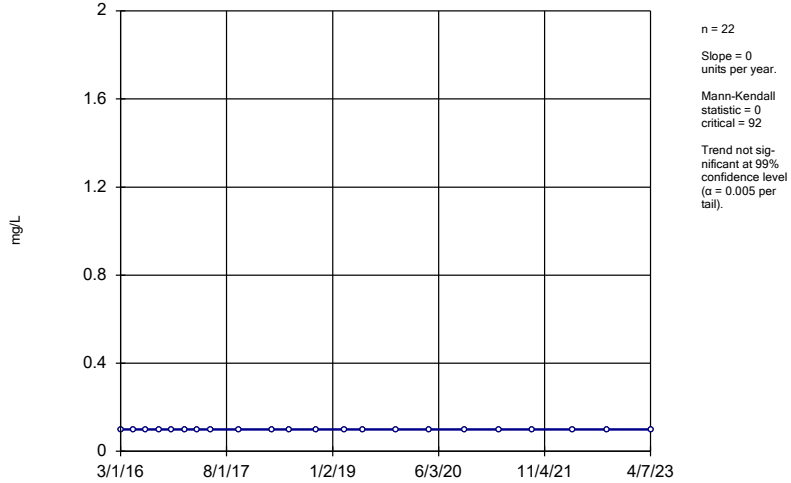
Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

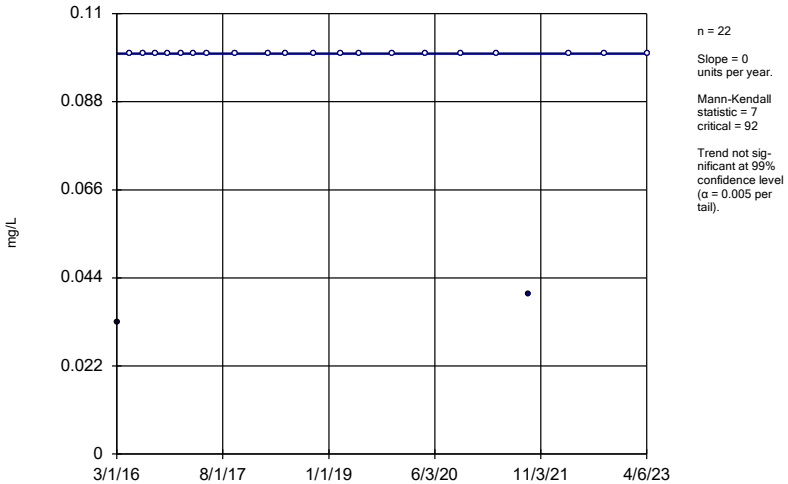
Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

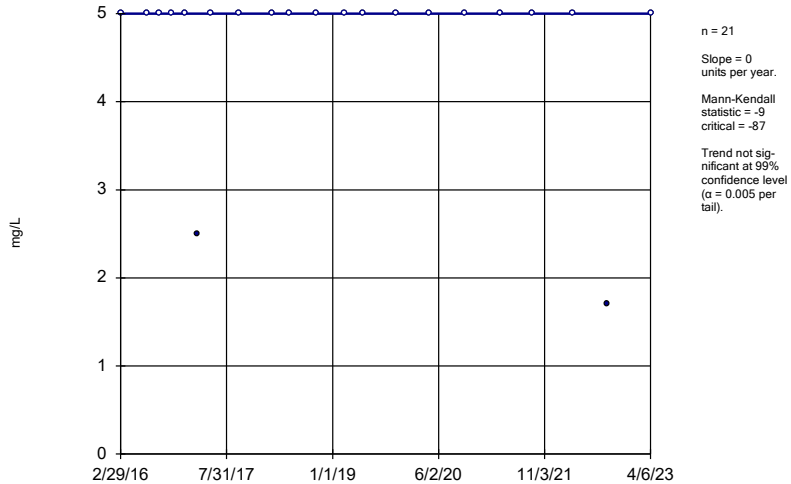
Constituent: Fluoride Analysis Run 8/24/2023 9:24 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

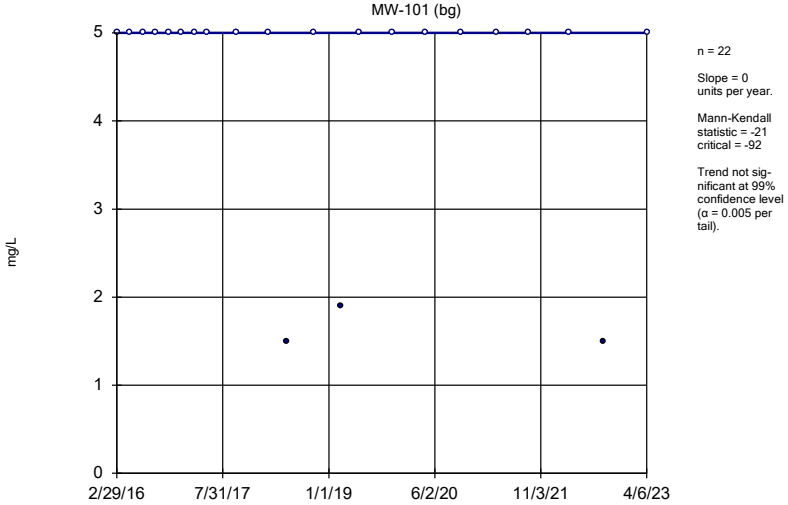
Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -21 critical = -92

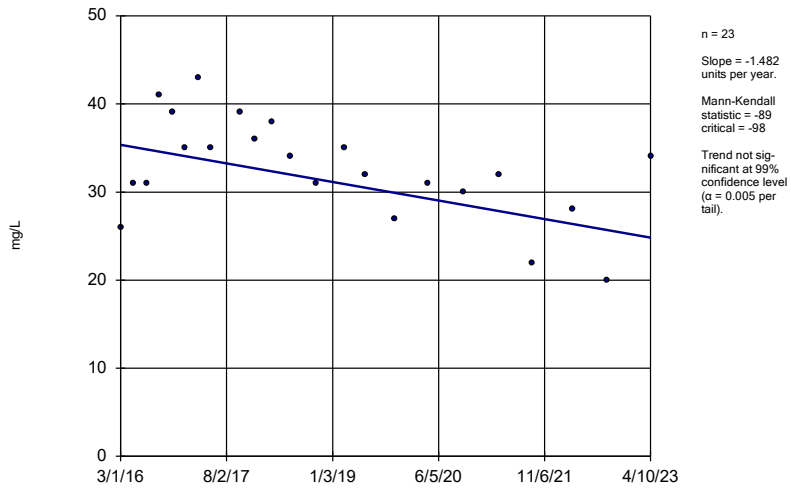
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 23

Slope = -1.482 units per year.

Mann-Kendall statistic = -89 critical = -98

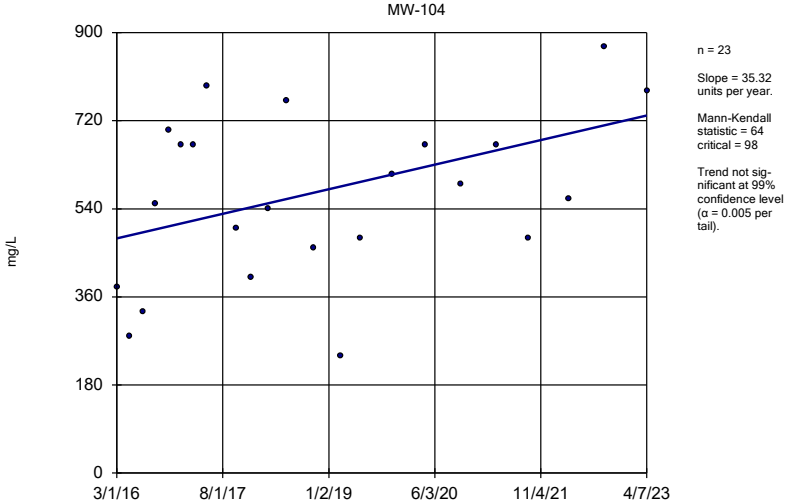
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 23

Slope = 35.32 units per year.

Mann-Kendall statistic = 64 critical = 98

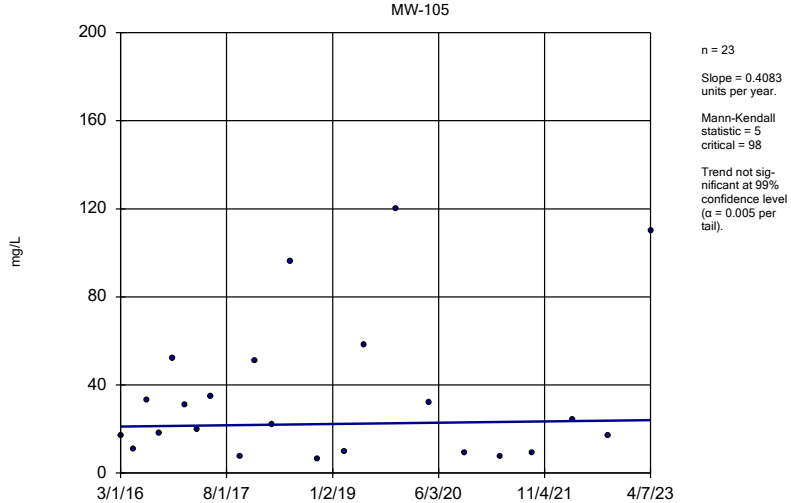
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 23

Slope = 0.4083 units per year.

Mann-Kendall statistic = 5 critical = 98

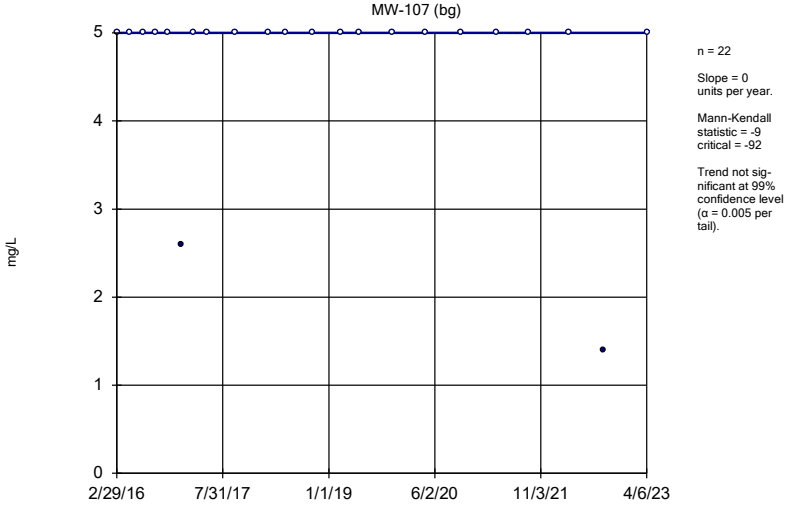
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -92

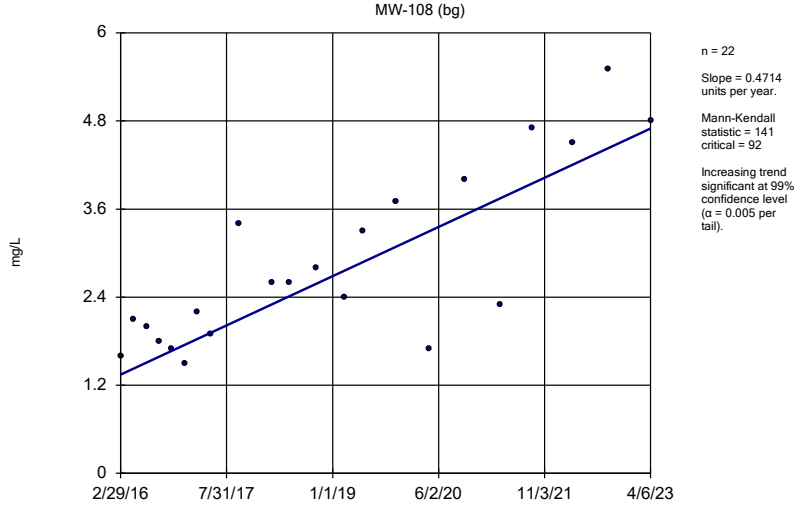
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.4714 units per year.

Mann-Kendall statistic = 141
critical = 92

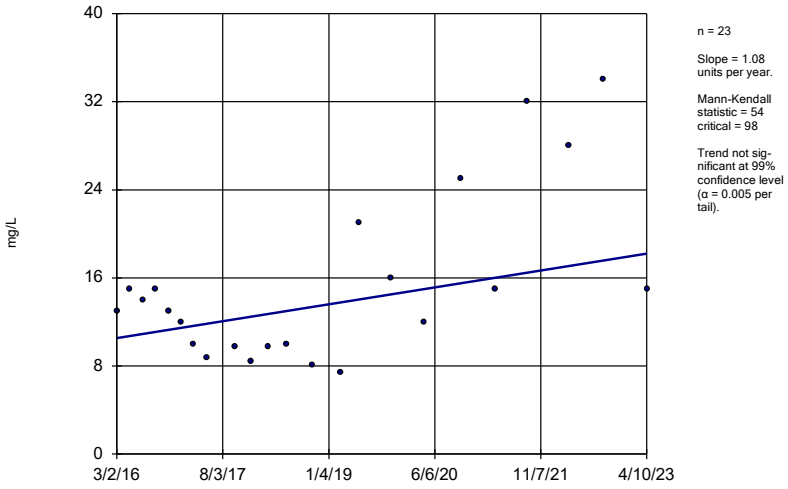
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 23

Slope = 1.08 units per year.

Mann-Kendall statistic = 54
critical = 98

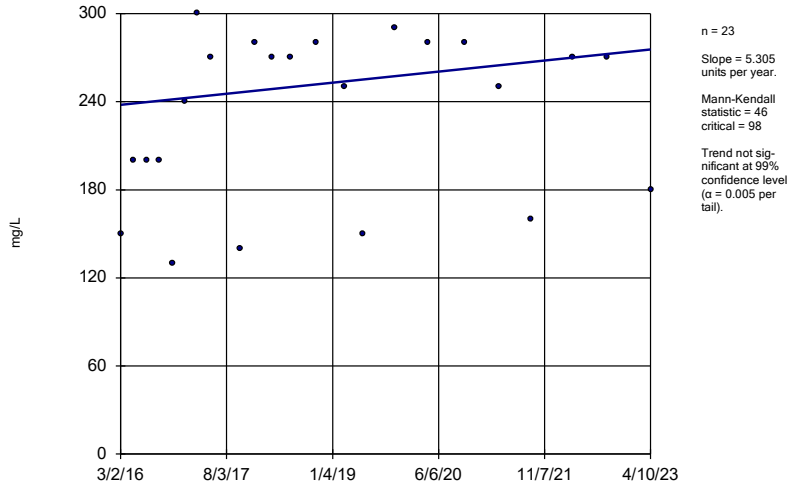
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 23

Slope = 5.305 units per year.

Mann-Kendall statistic = 46
critical = 98

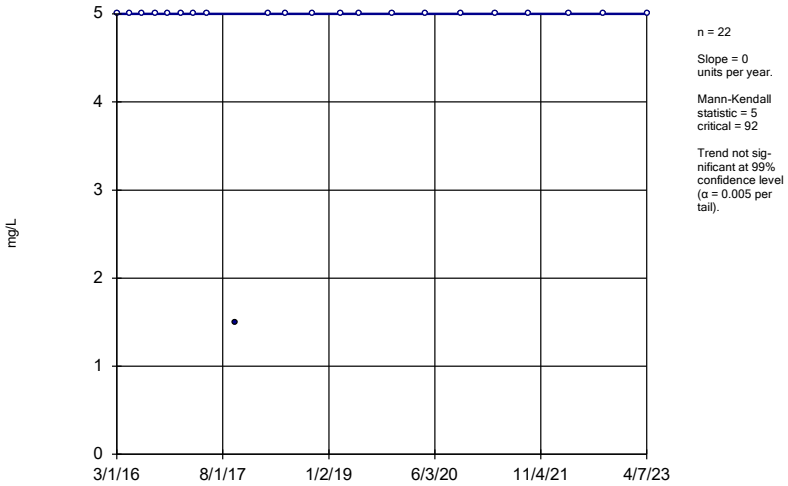
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

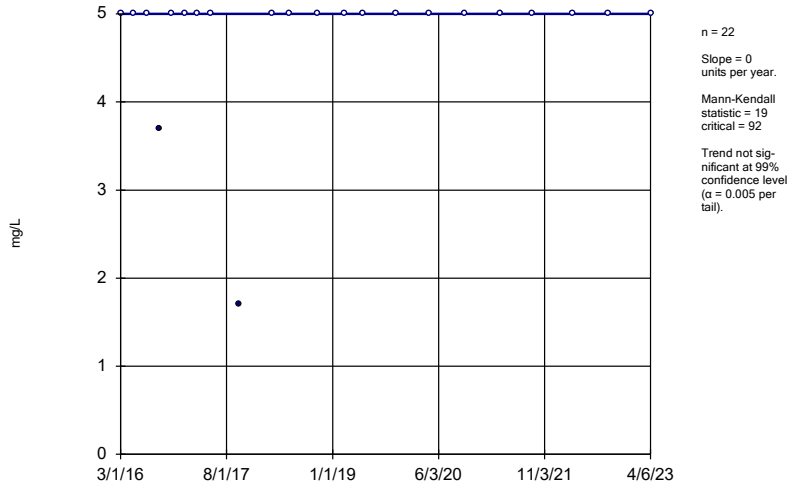


Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)

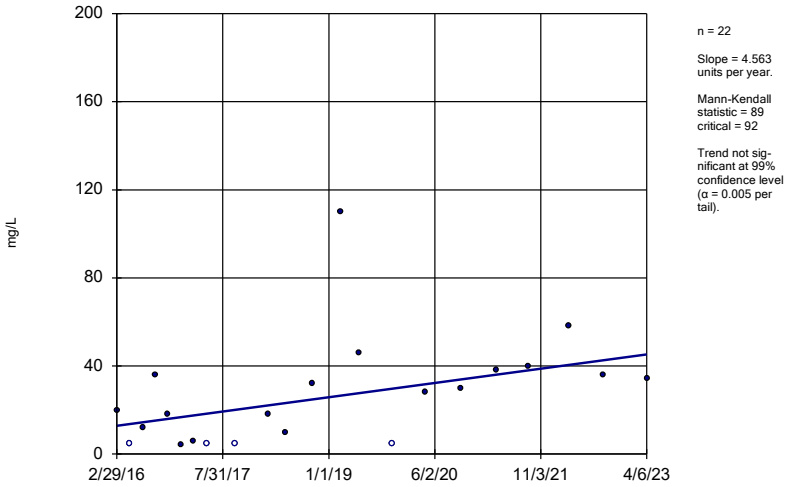


Constituent: Sulfate Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

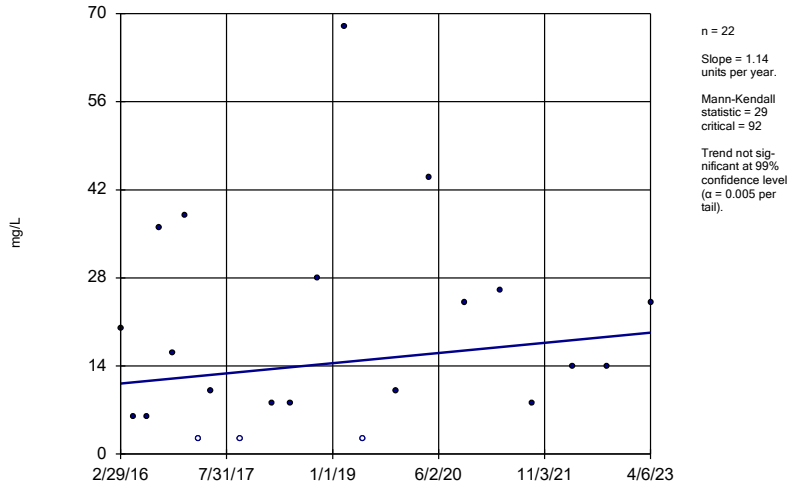


Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

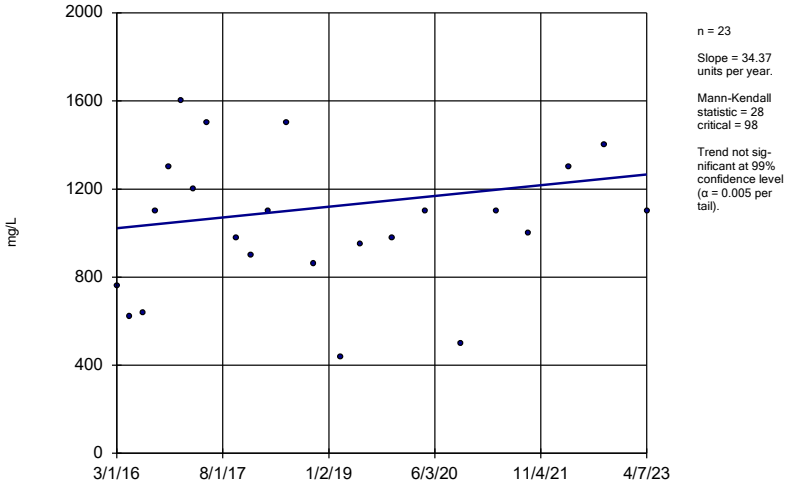
MW-101 (bg)



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-104



n = 23

Slope = 34.37 units per year.

Mann-Kendall statistic = 28
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

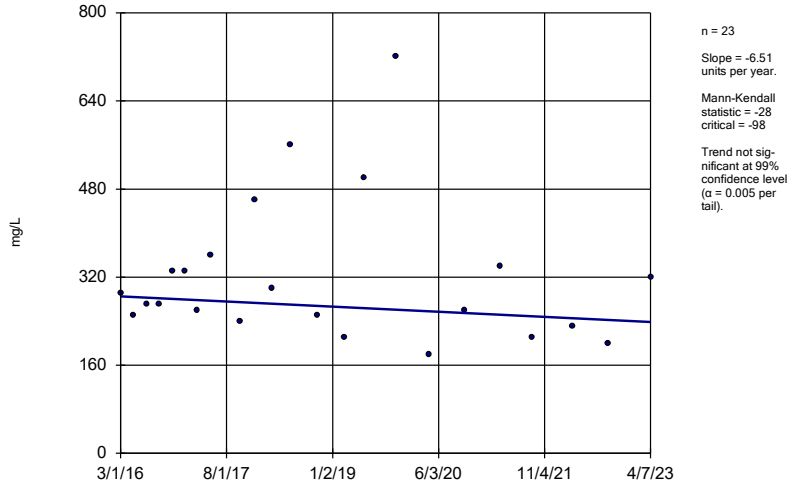
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 23

Slope = -6.51 units per year.

Mann-Kendall statistic = -28
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

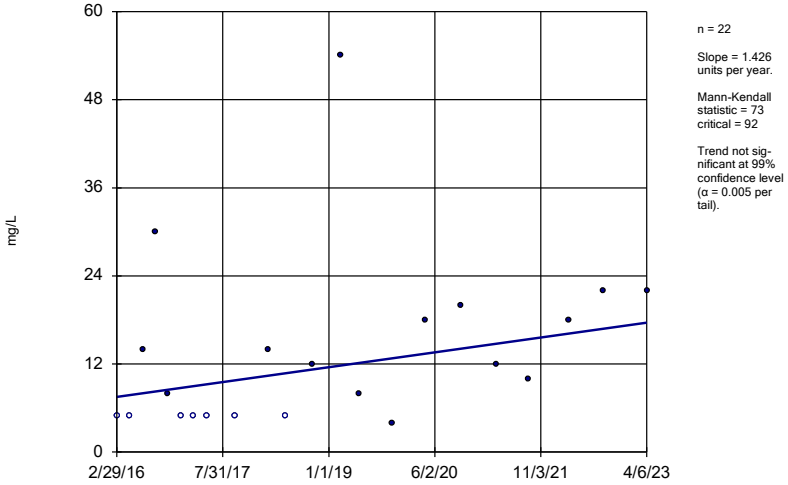
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 1.426 units per year.

Mann-Kendall statistic = 73
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

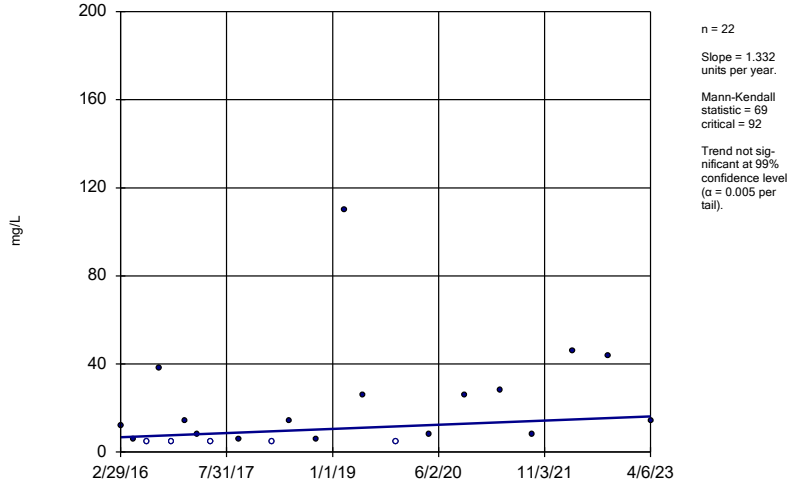
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 1.332 units per year.

Mann-Kendall statistic = 69
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

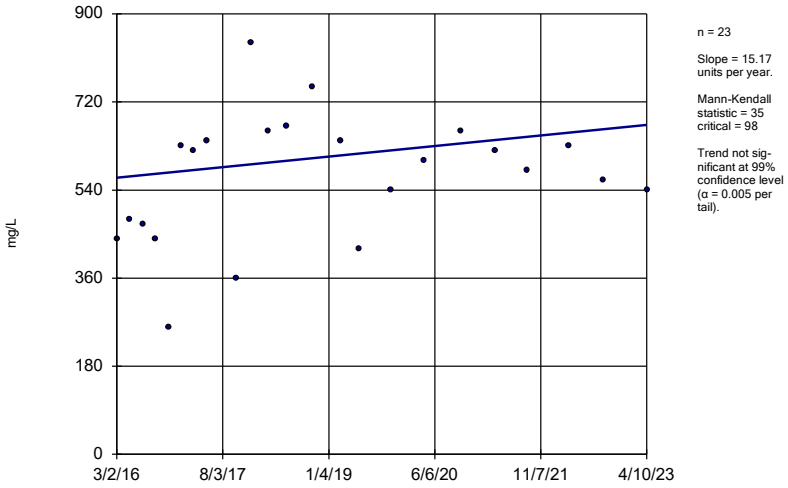
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

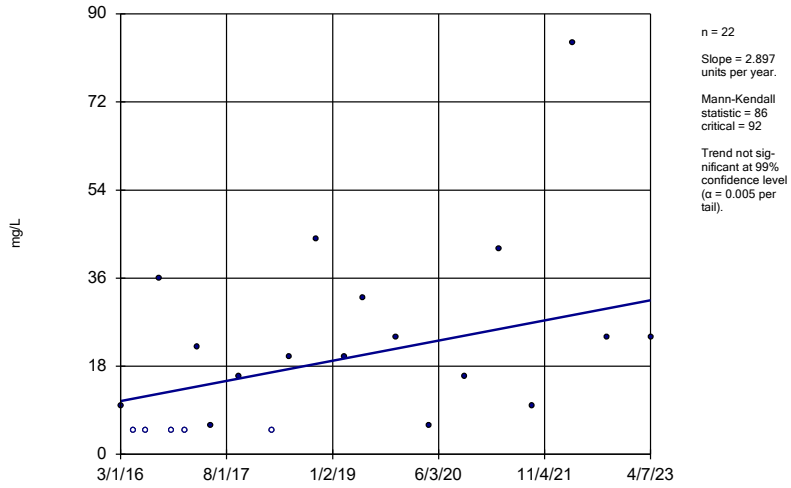
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

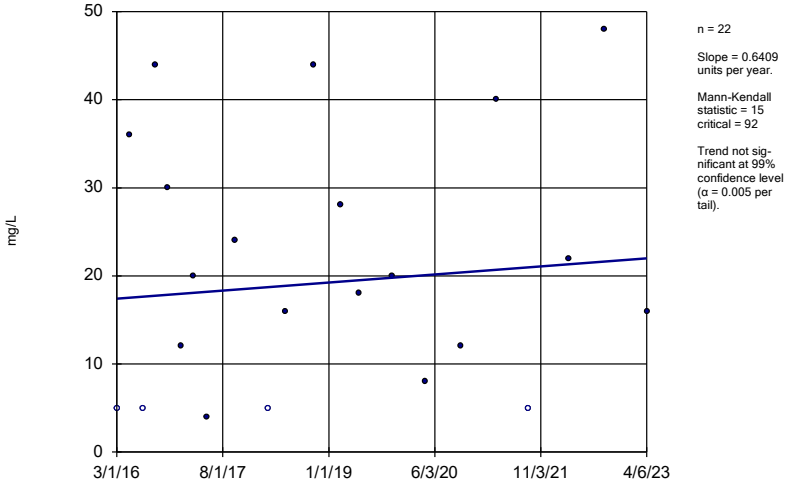
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 9:25 AM View: 100 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

200 Series

Appendix III - 200 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-5.275**	**-196**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.627**	**-162**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-13.57**	**-221**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-133.9**	**-201**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-95.58**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-389.1**	**-240**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-226.9**	**-171**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-179.8**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-791.6**	**-217**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-46.15**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-61.71**	**-168**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-738.7**	**-205**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-531.3**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1886**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 200 Series - Trend Tests - All Results

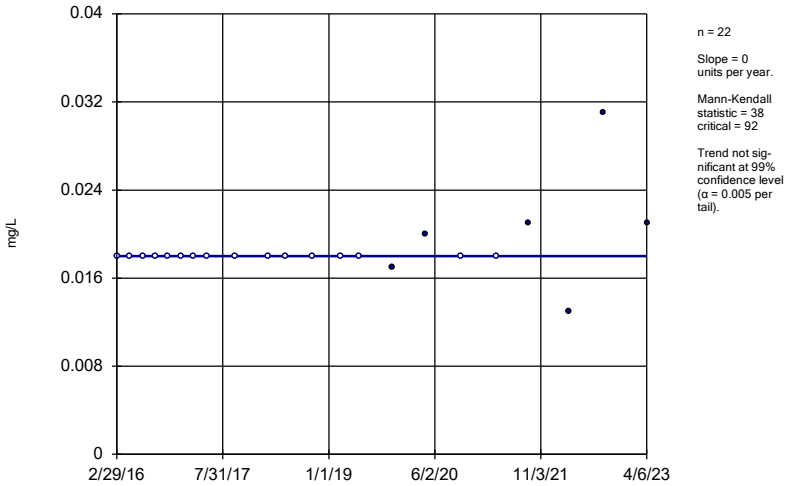
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-5.275**	**-196**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.627**	**-162**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-13.57**	**-221**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-133.9**	**-201**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-95.58**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-389.1**	**-240**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-226.9**	**-171**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-179.8**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-791.6**	**-217**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.07496	-92	-98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-46.15**	**-141**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-61.71**	**-168**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-738.7**	**-205**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-531.3**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1886**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 38 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

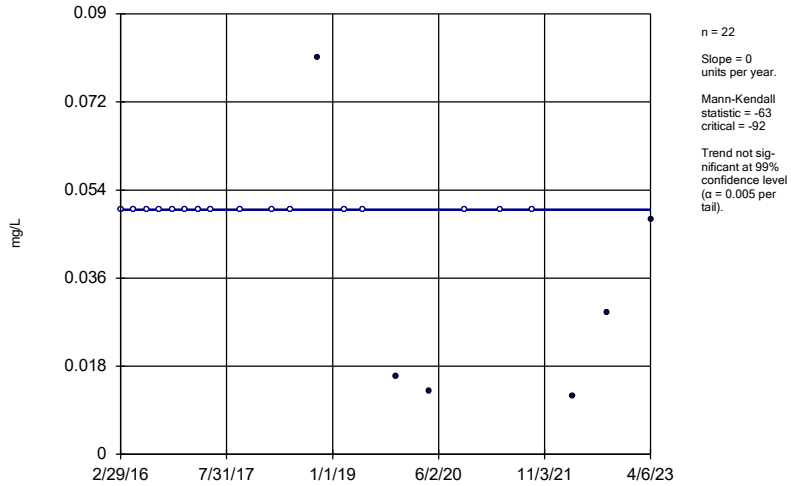
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -63 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

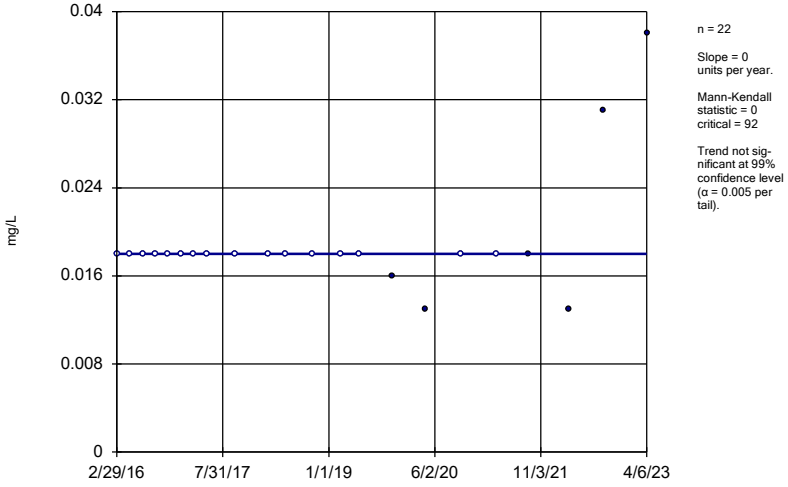
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

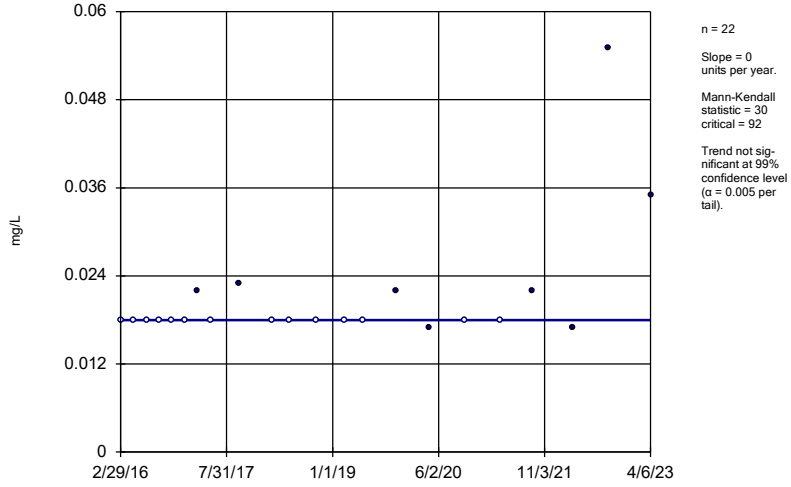
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

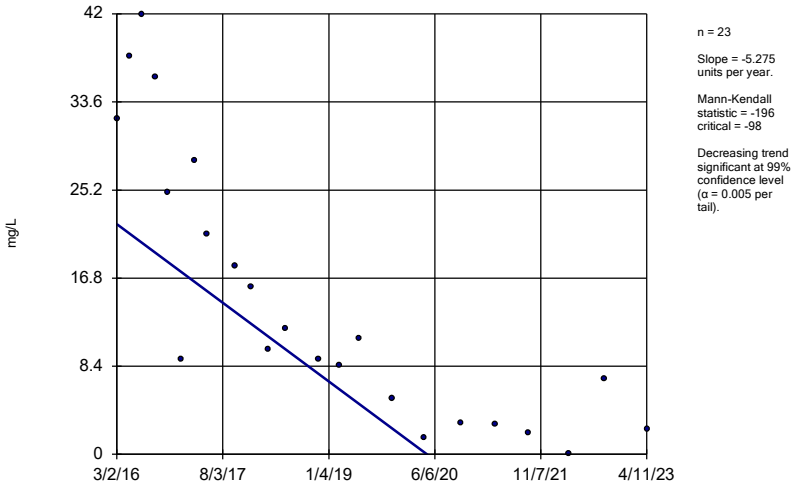
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-200



n = 23

Slope = -5.275 units per year.

Mann-Kendall statistic = -196 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

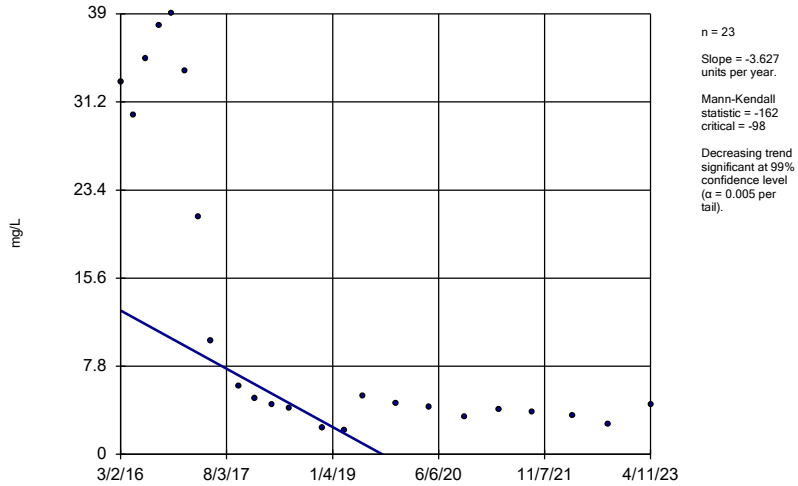
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-201



n = 23

Slope = -3.627 units per year.

Mann-Kendall statistic = -162 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

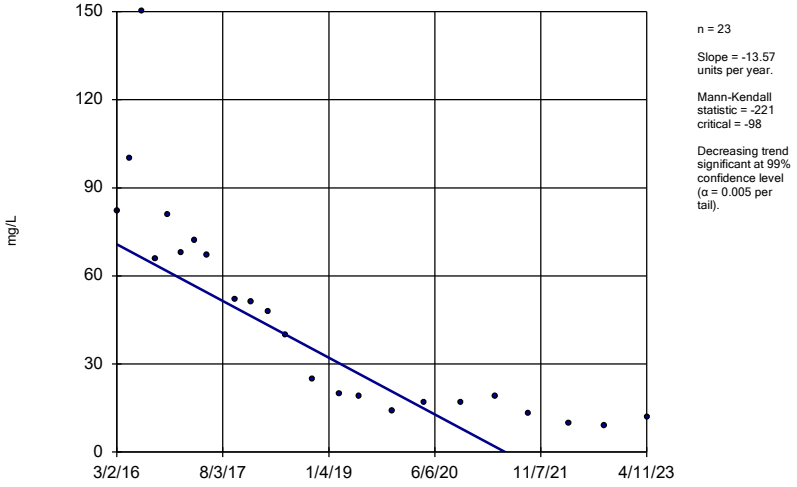
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-206



n = 23

Slope = -13.57 units per year.

Mann-Kendall statistic = -221 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

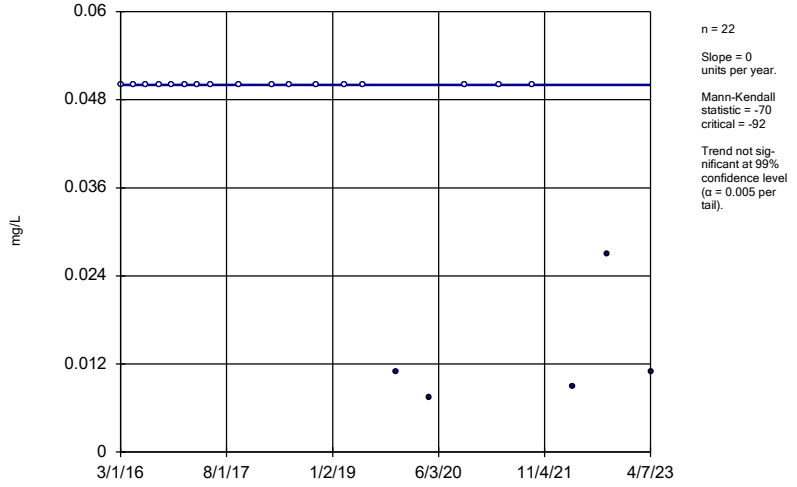
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -70 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

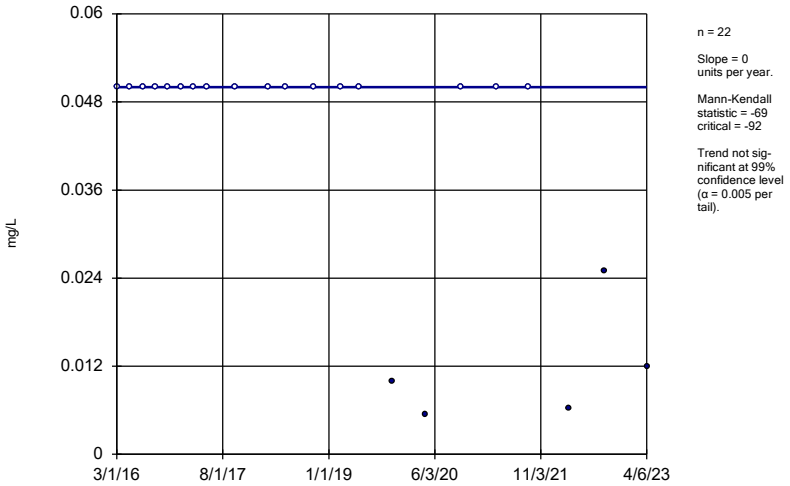
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -69
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

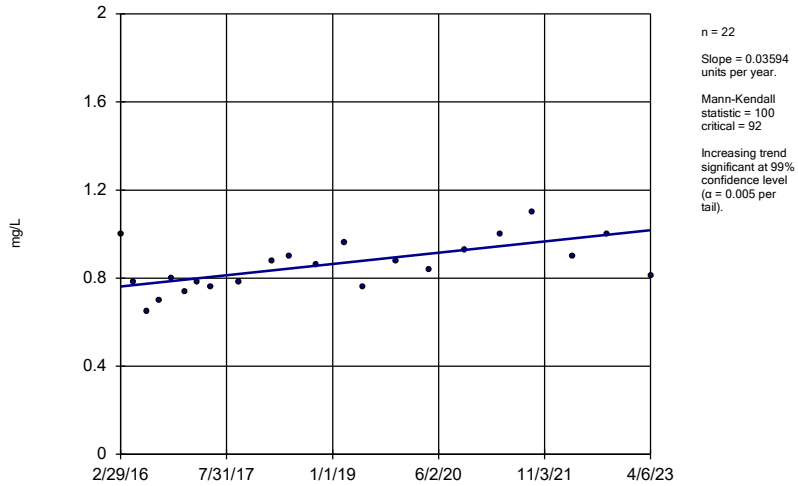
Constituent: Boron Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.03594 units per year.

Mann-Kendall statistic = 100
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

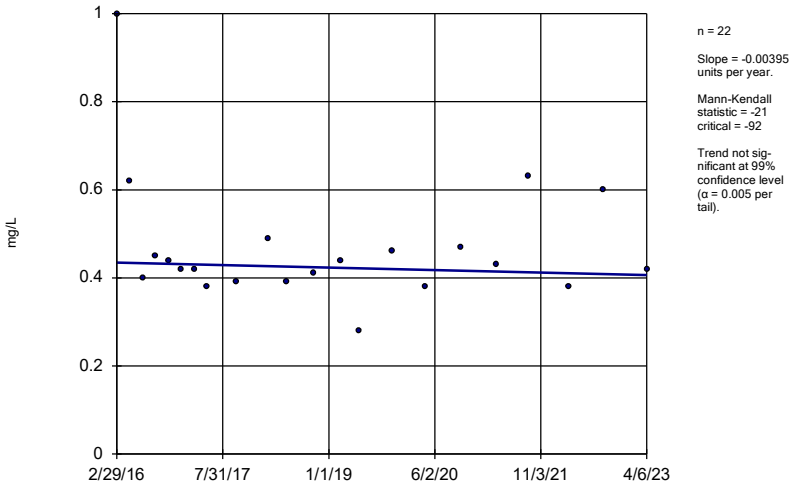
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.00395 units per year.

Mann-Kendall statistic = -21
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

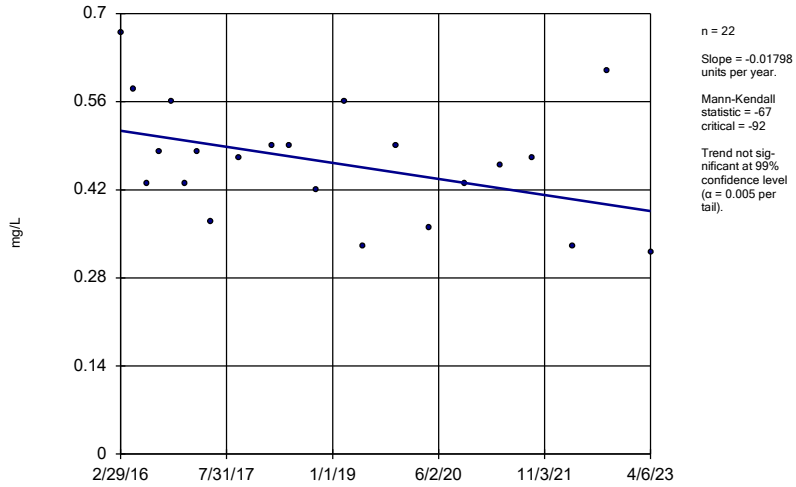
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.01798 units per year.

Mann-Kendall statistic = -67
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

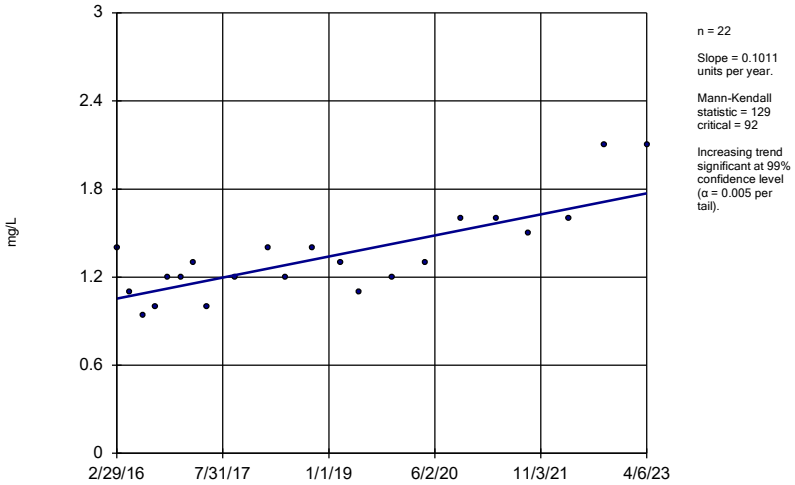
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1011 units per year.

Mann-Kendall statistic = 129 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

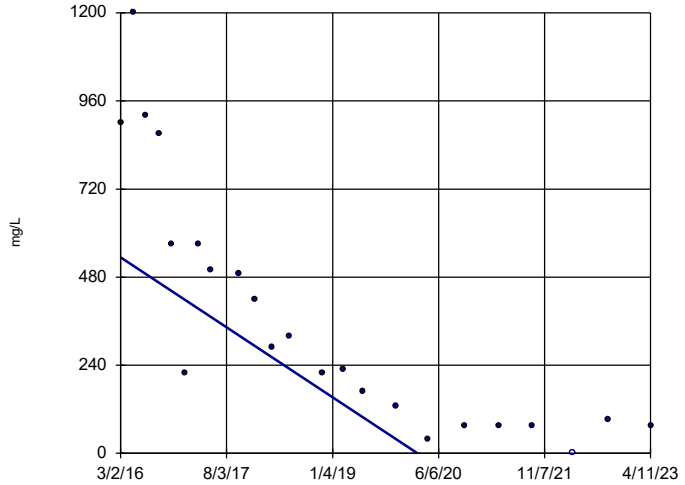
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 23

Slope = -133.9 units per year.

Mann-Kendall statistic = -201 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

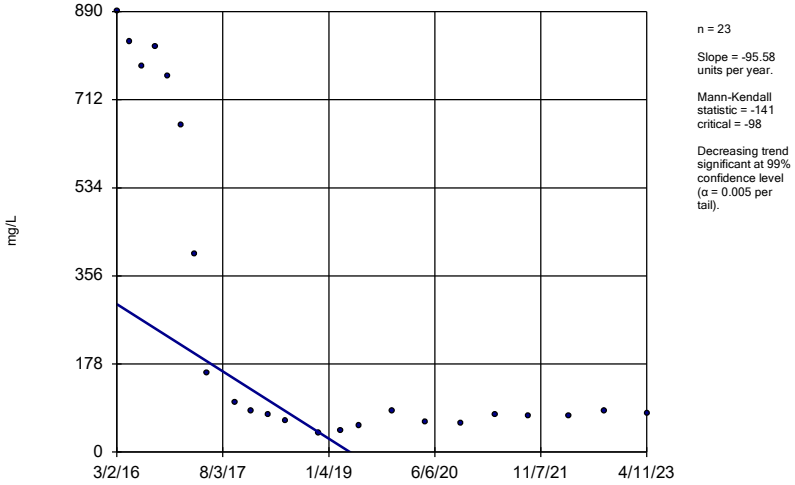
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-201



n = 23

Slope = -95.58 units per year.

Mann-Kendall statistic = -141 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

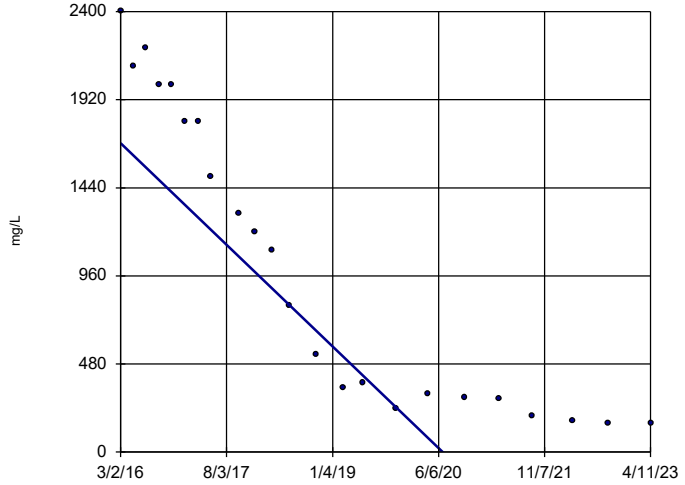
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-206



n = 23

Slope = -389.1 units per year.

Mann-Kendall statistic = -240 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

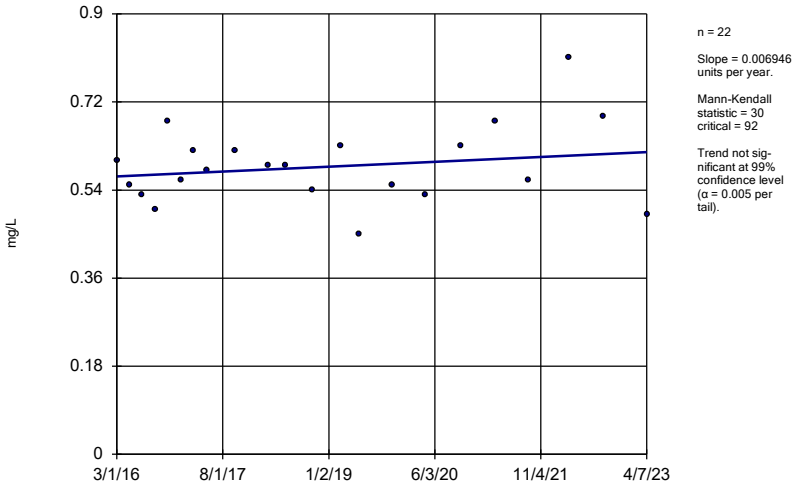
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.006946 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

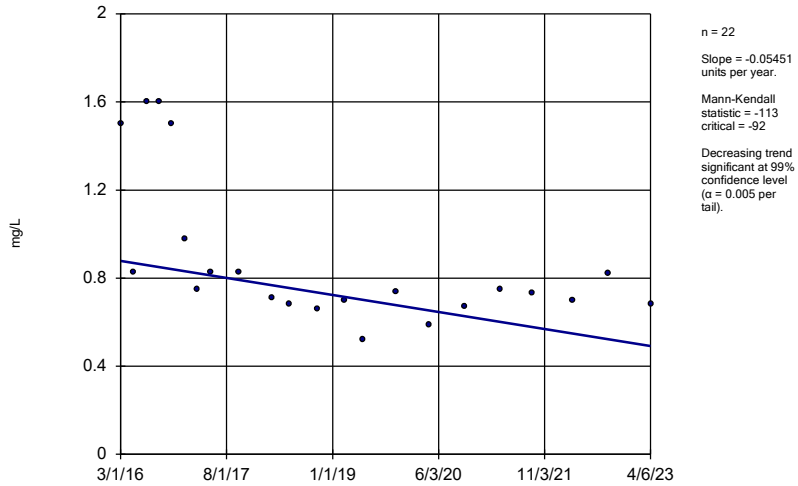
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.05451 units per year.

Mann-Kendall statistic = -113 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

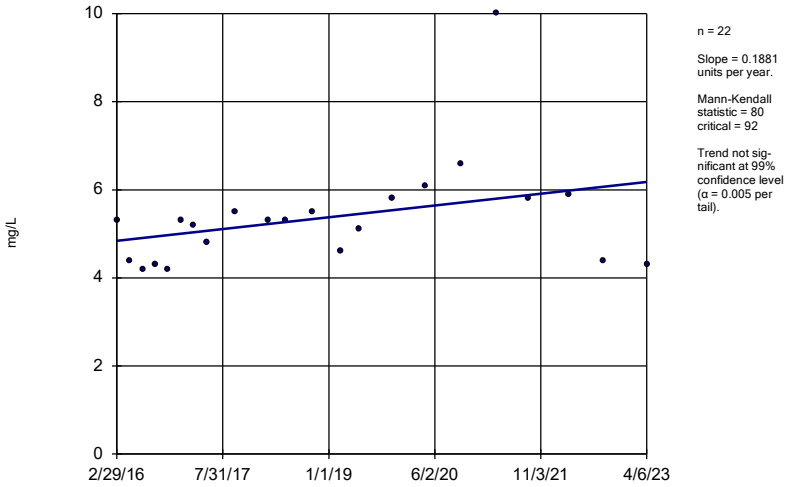
Constituent: Calcium Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.1881 units per year.

Mann-Kendall statistic = 80 critical = 92

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

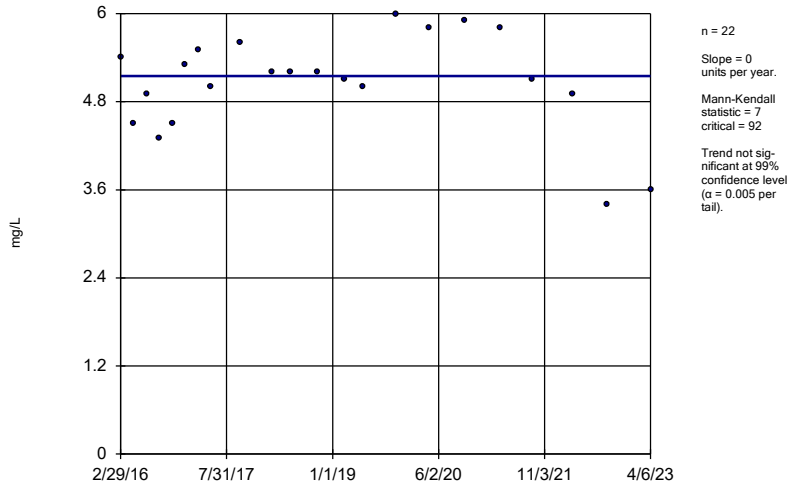
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

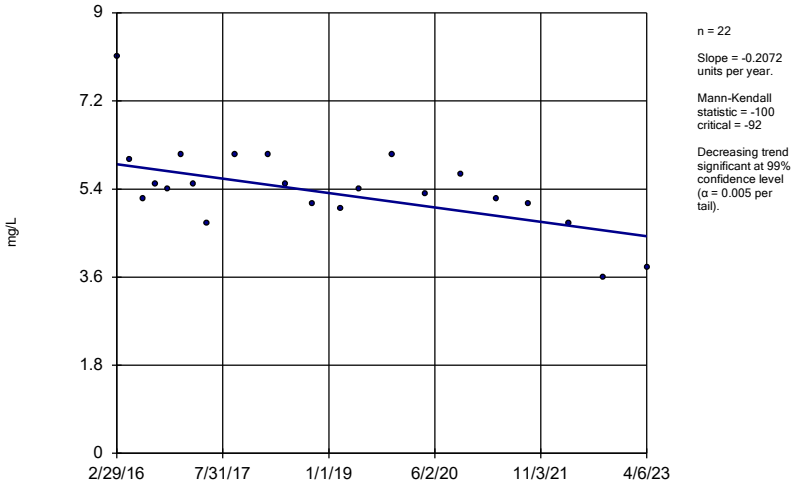
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.2072 units per year.

Mann-Kendall statistic = -100 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

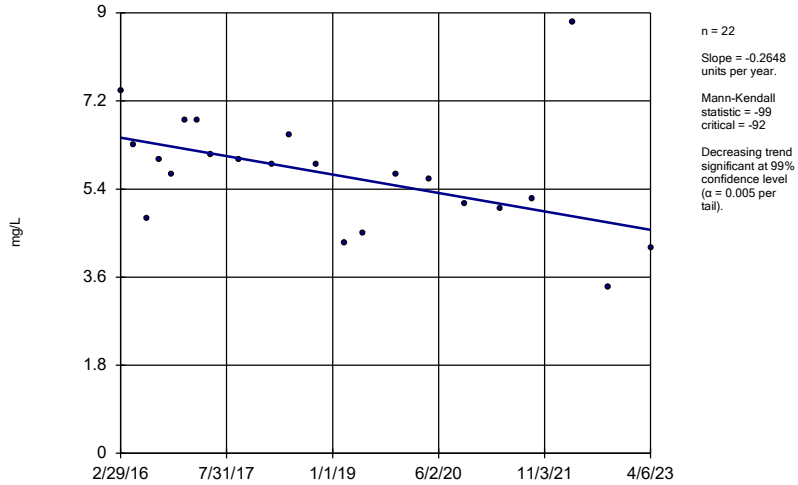
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = -0.2648 units per year.

Mann-Kendall statistic = -99 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

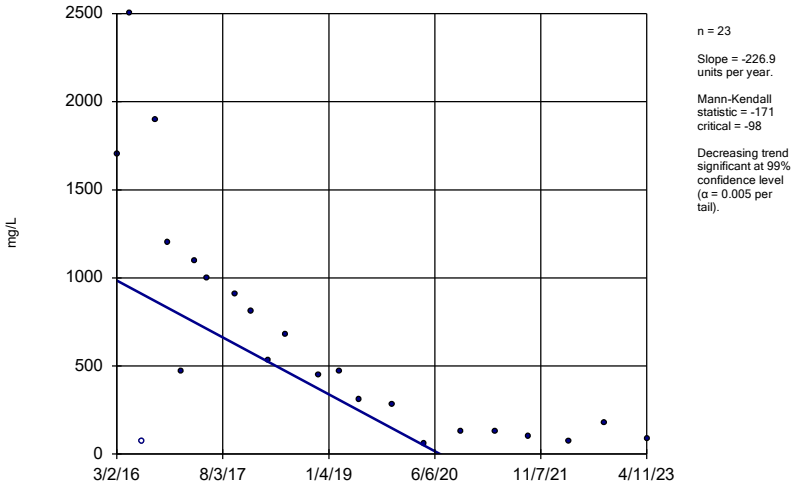
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 23

Slope = -226.9 units per year.

Mann-Kendall statistic = -171 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

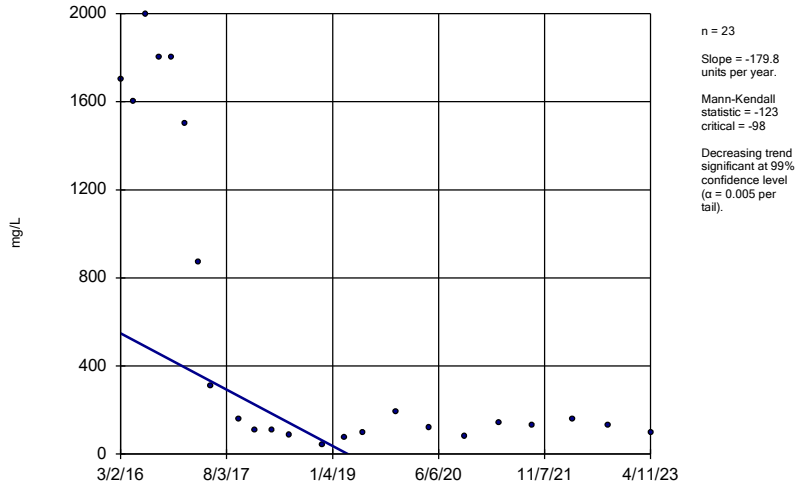
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-201



n = 23

Slope = -179.8 units per year.

Mann-Kendall statistic = -123 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

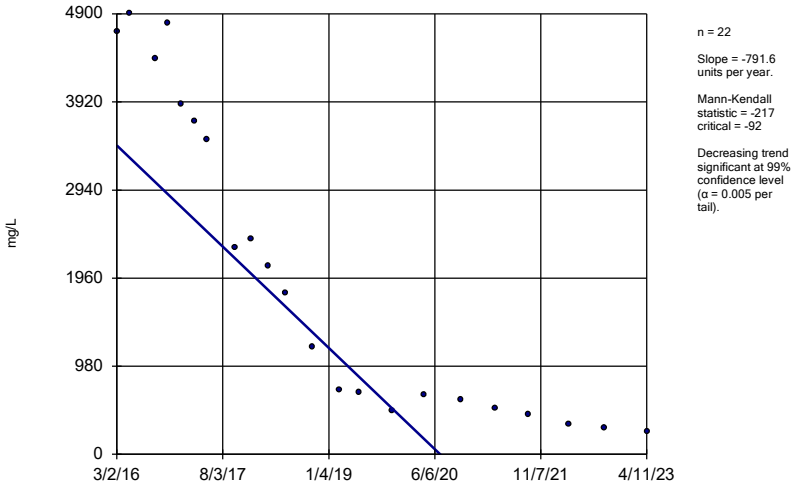
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-206



n = 22

Slope = -791.6 units per year.

Mann-Kendall statistic = -217 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

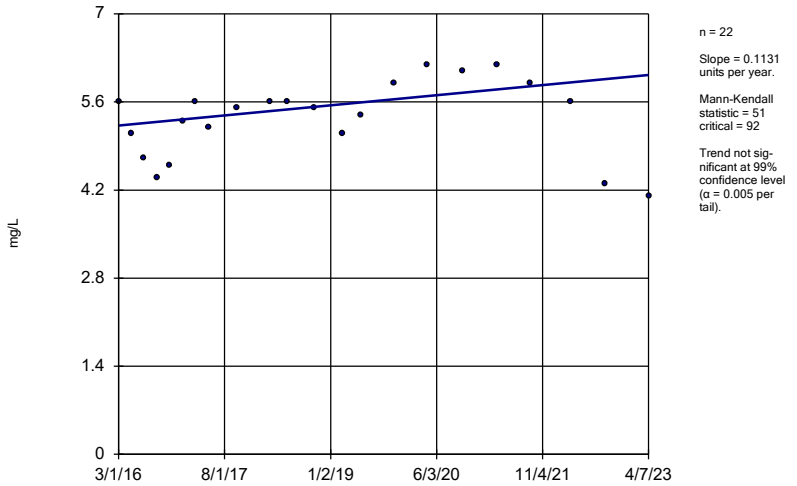
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.1131 units per year.

Mann-Kendall statistic = 51 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

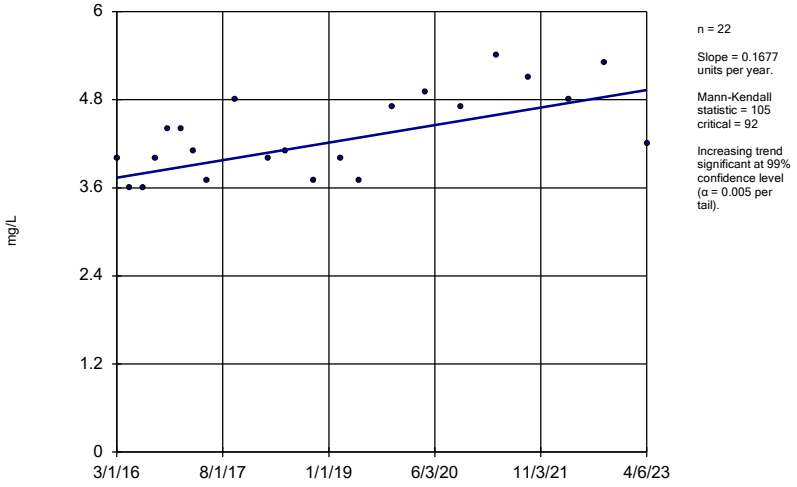
Constituent: Chloride Analysis Run 8/24/2023 2:30 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.1677 units per year.

Mann-Kendall statistic = 105 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

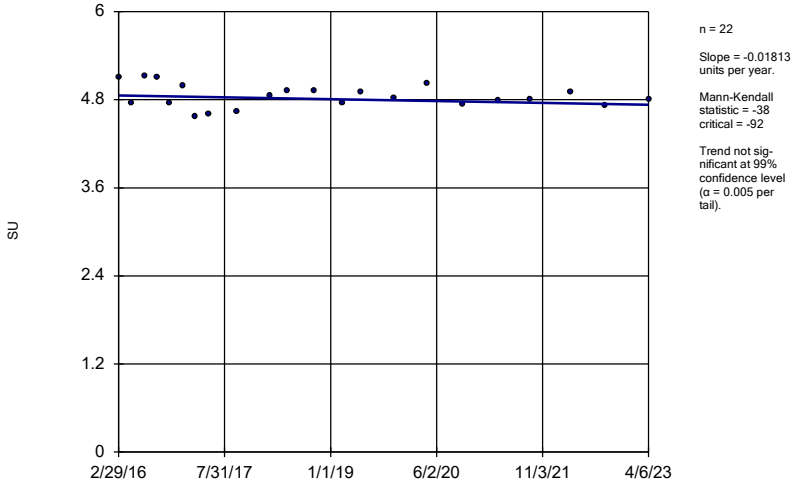
Constituent: Chloride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = -0.01813 units per year.

Mann-Kendall statistic = -38 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

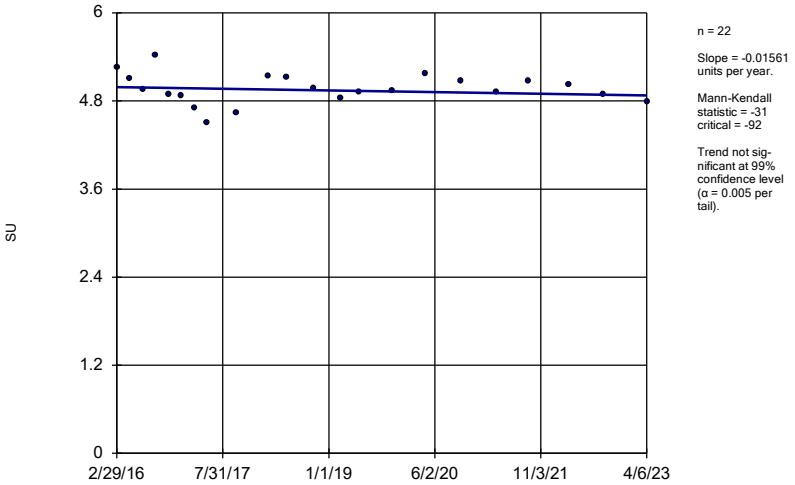
Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.01561 units per year.

Mann-Kendall statistic = -31 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

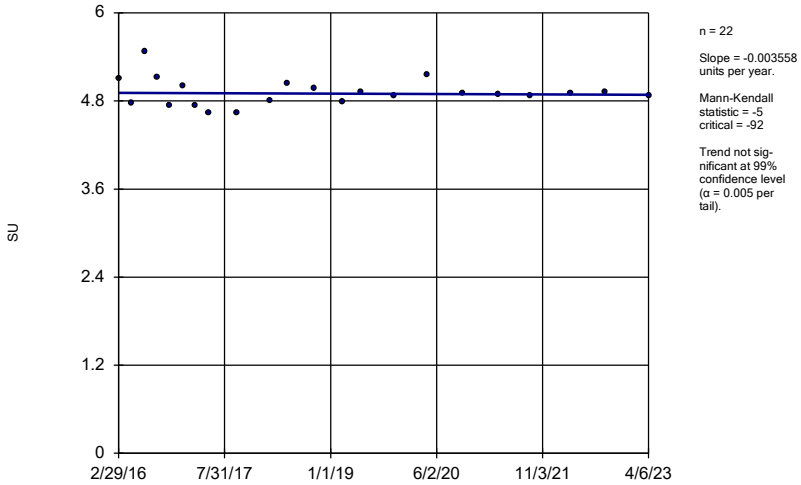
Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.003558 units per year.

Mann-Kendall statistic = -5 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

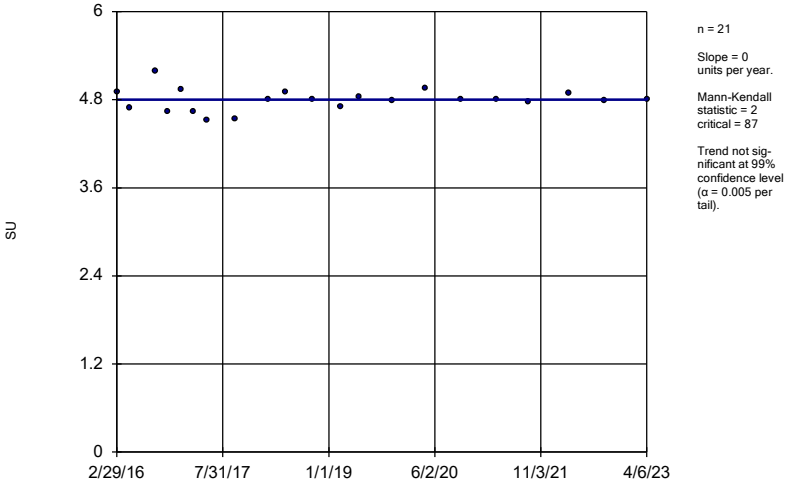
Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

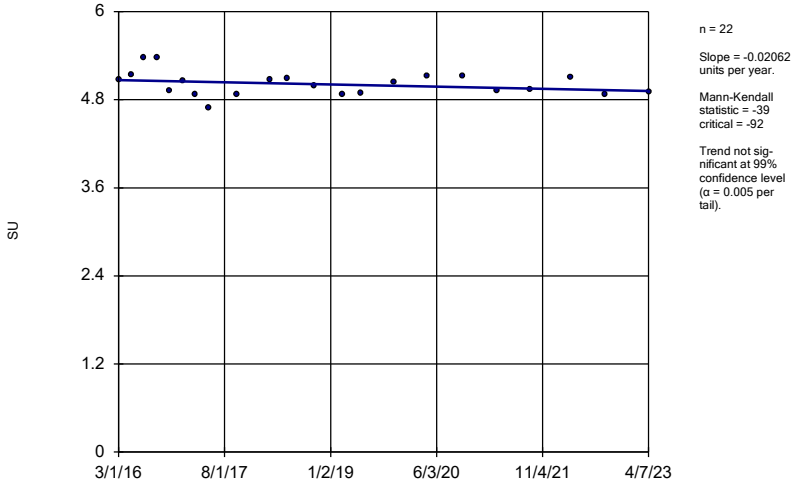
Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = -0.02062 units per year.

Mann-Kendall statistic = -39 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

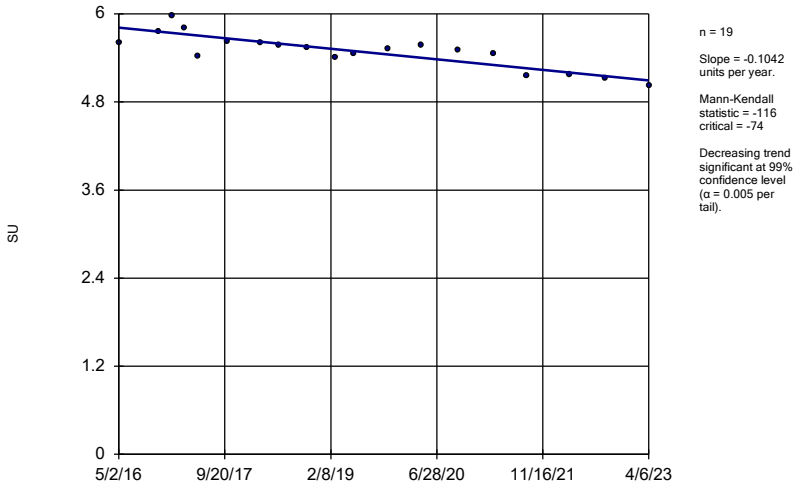
Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 19

Slope = -0.1042 units per year.

Mann-Kendall statistic = -116 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

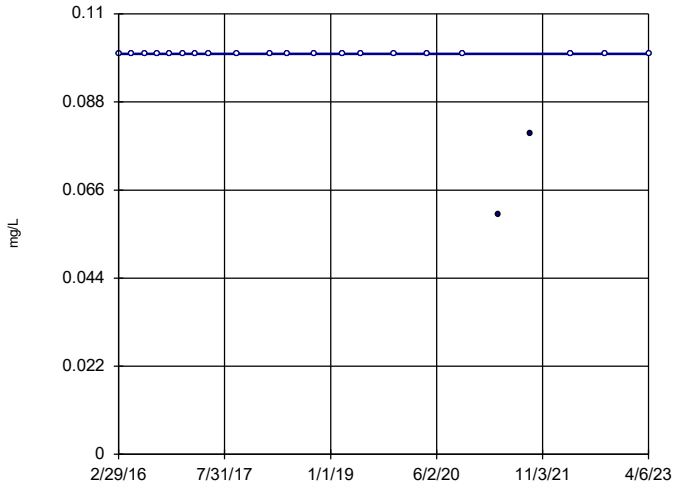
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -27 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

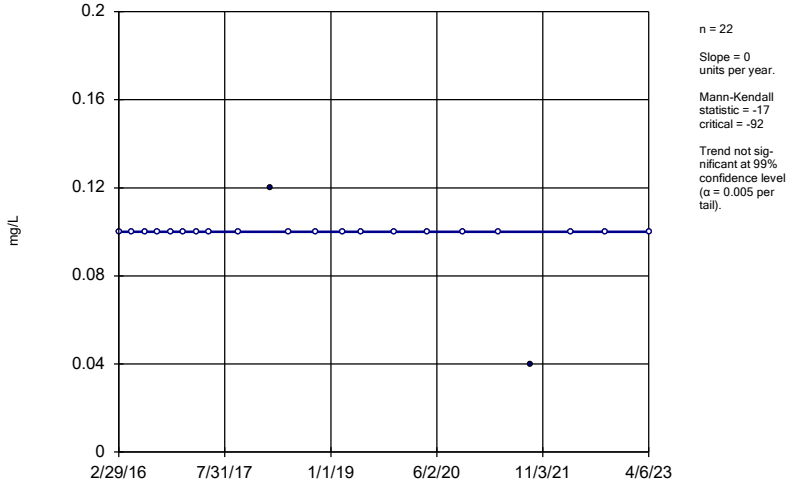
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

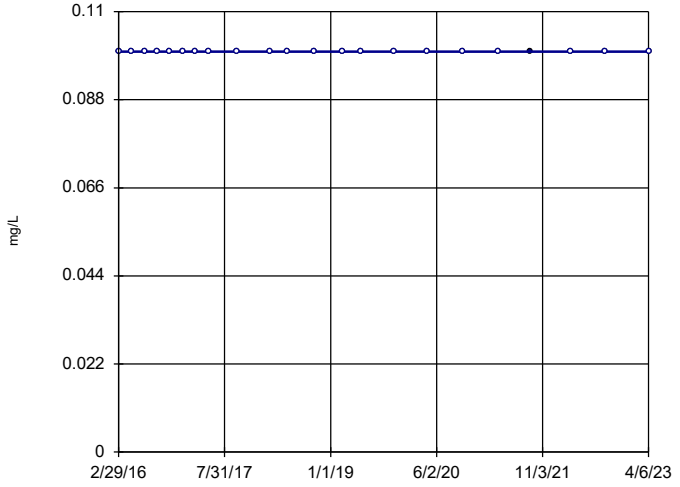
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

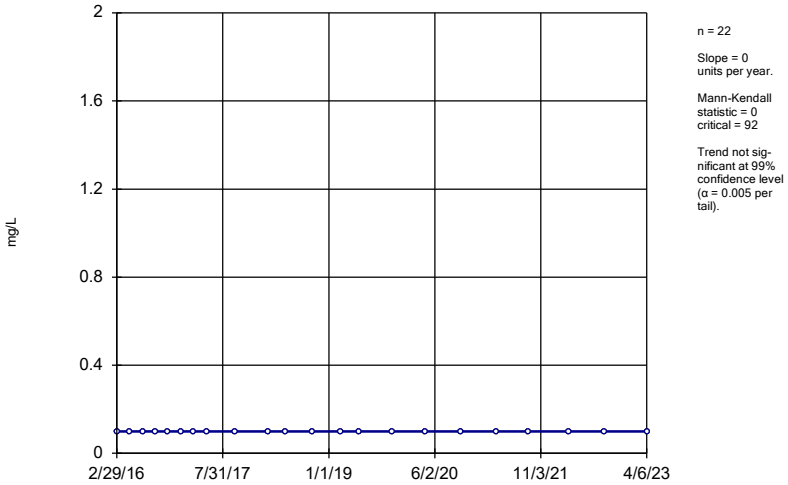
Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

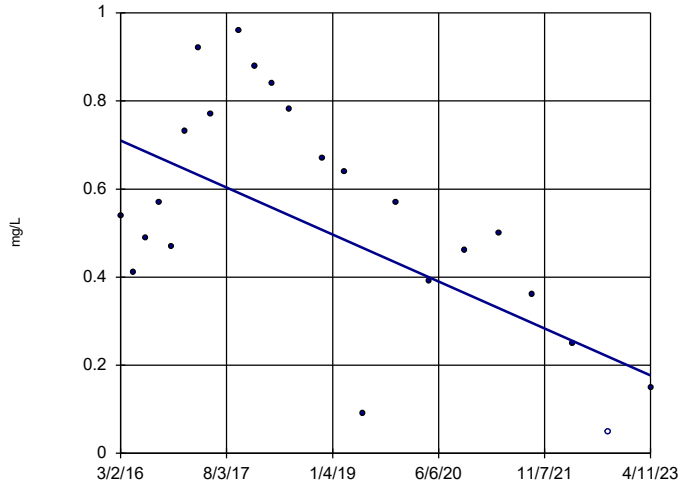
Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-201



n = 23

Slope = -0.07496 units per year.

Mann-Kendall statistic = -92 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

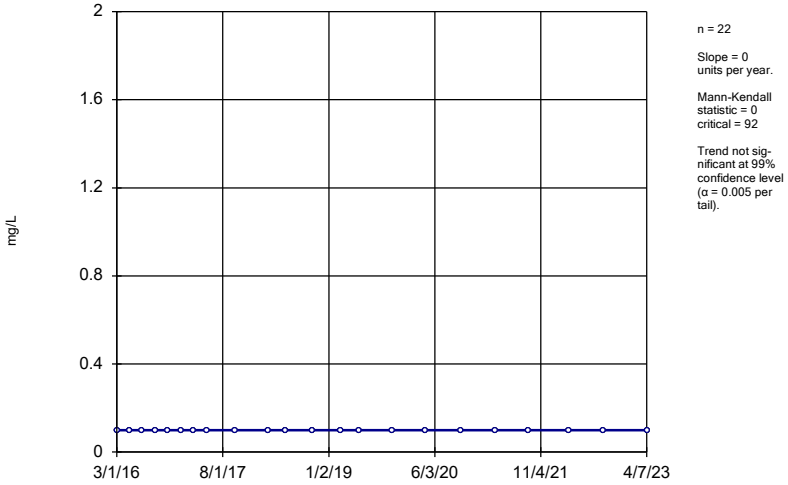
Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

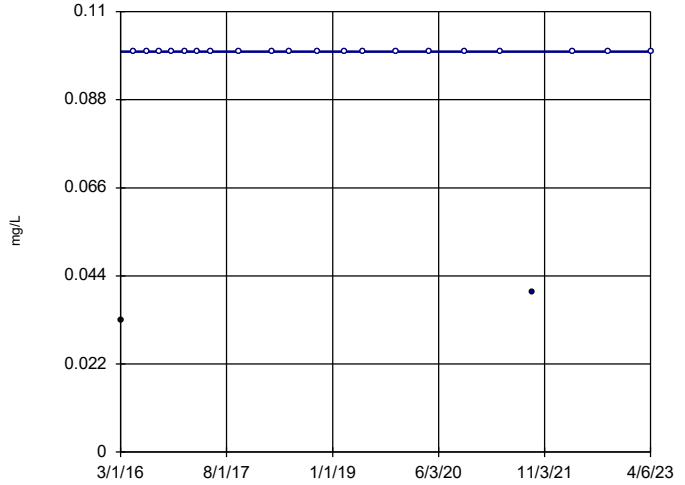
Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

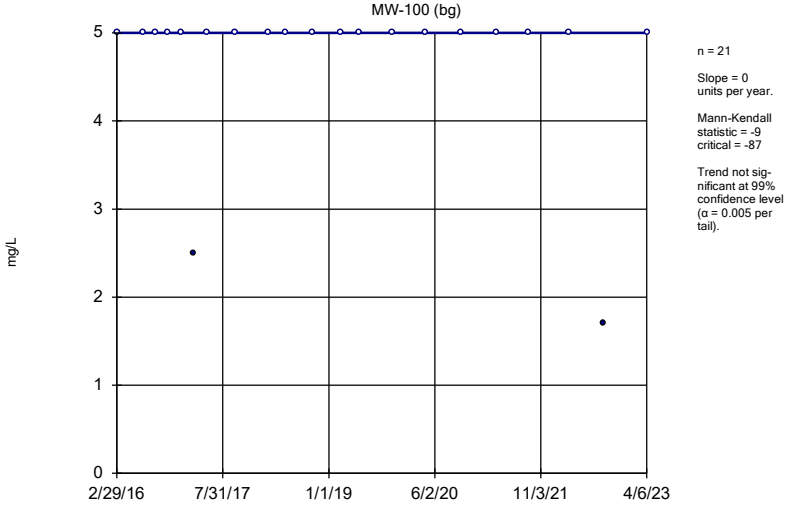
Constituent: Fluoride Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

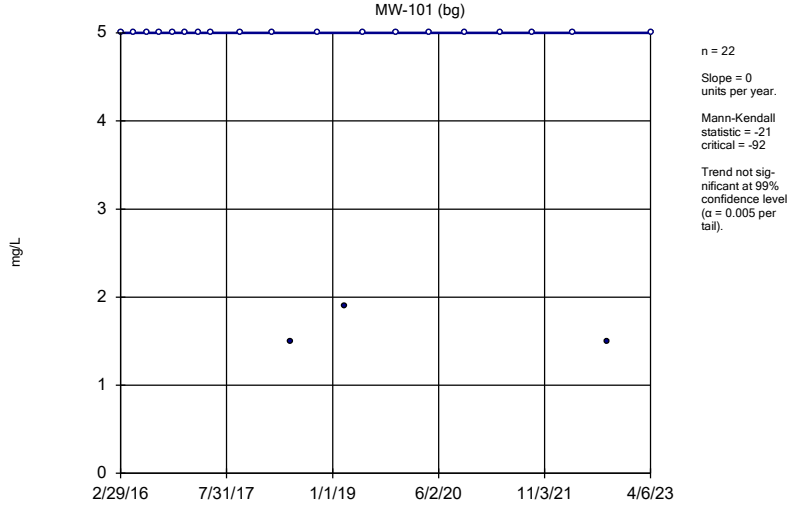
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -21 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

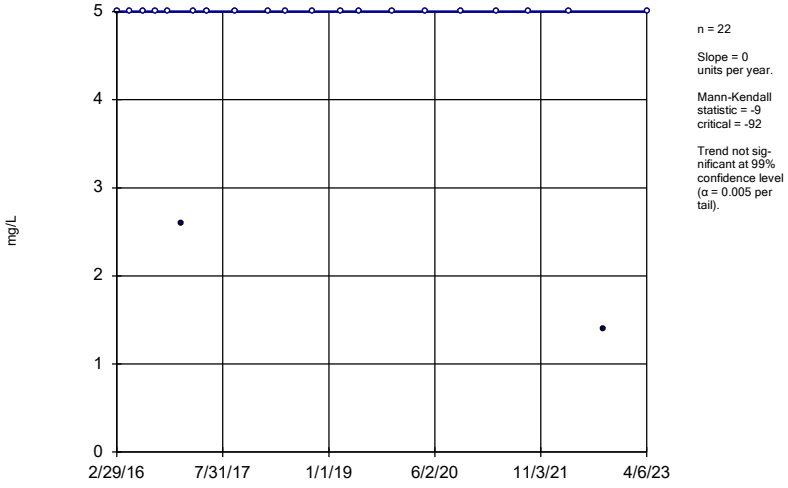
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

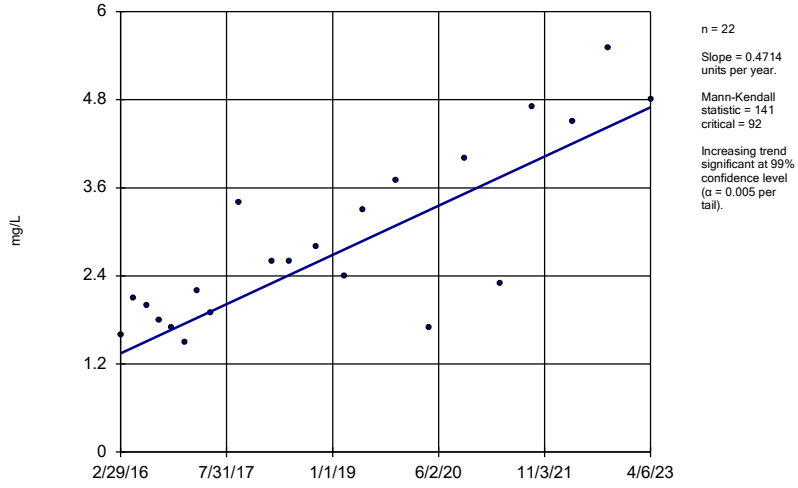
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.4714 units per year.

Mann-Kendall statistic = 141 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

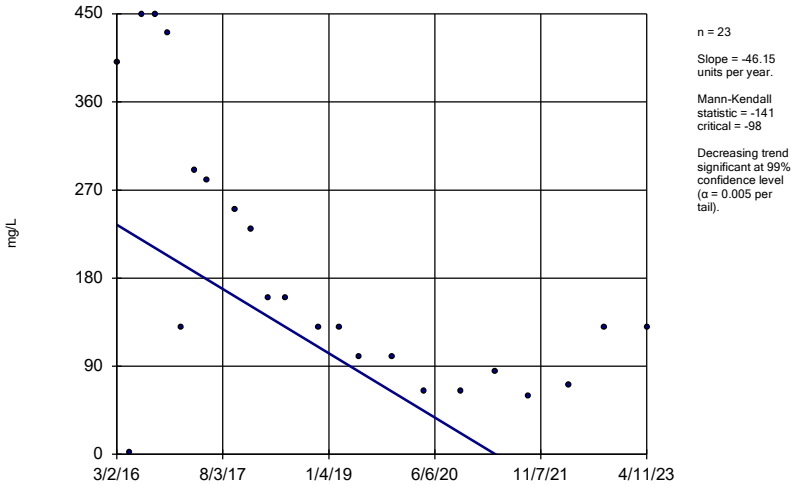
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-200



n = 23

Slope = -46.15 units per year.

Mann-Kendall statistic = -141 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

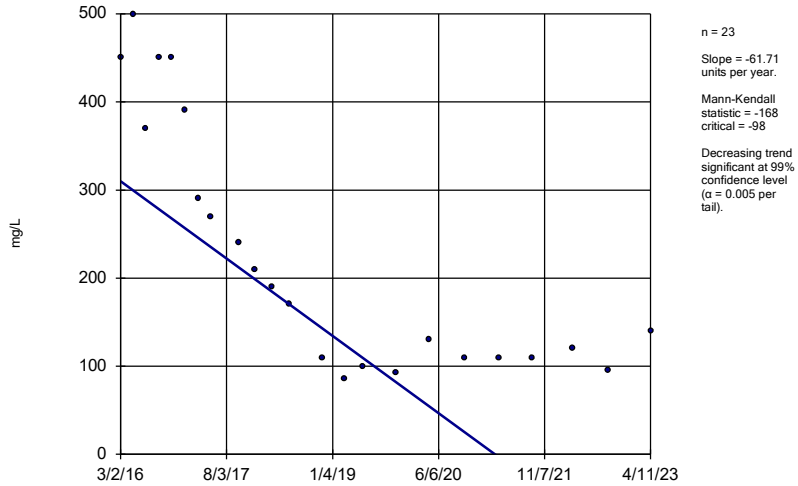
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-201



n = 23

Slope = -61.71 units per year.

Mann-Kendall statistic = -168 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

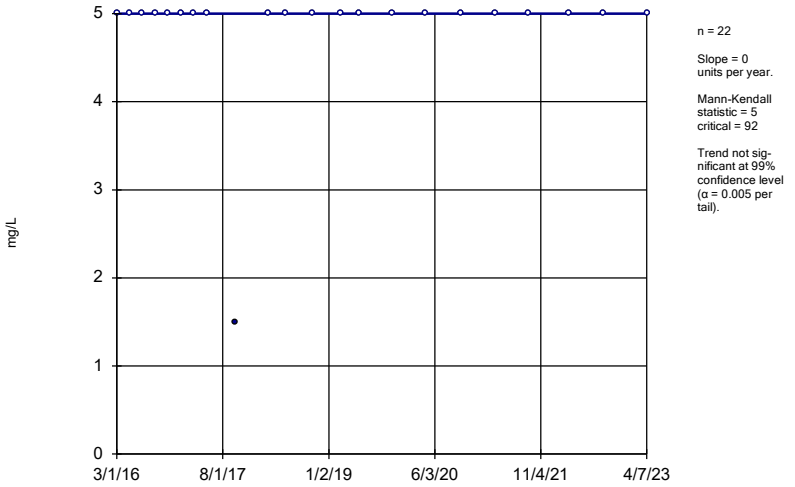
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

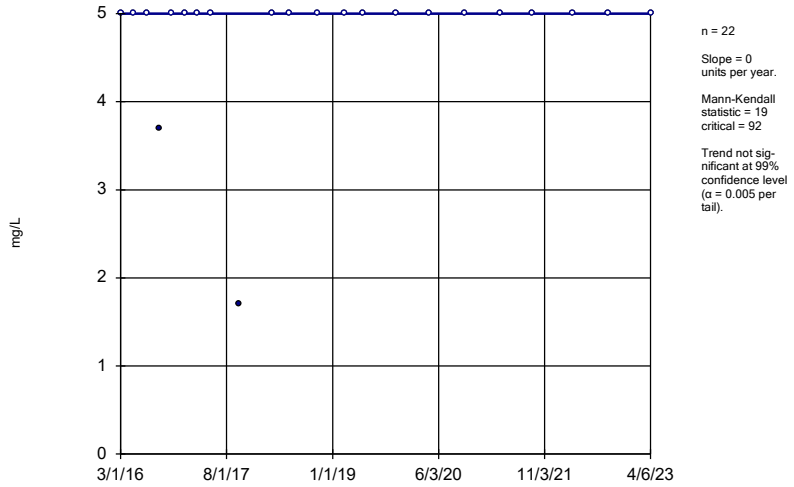
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 19 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

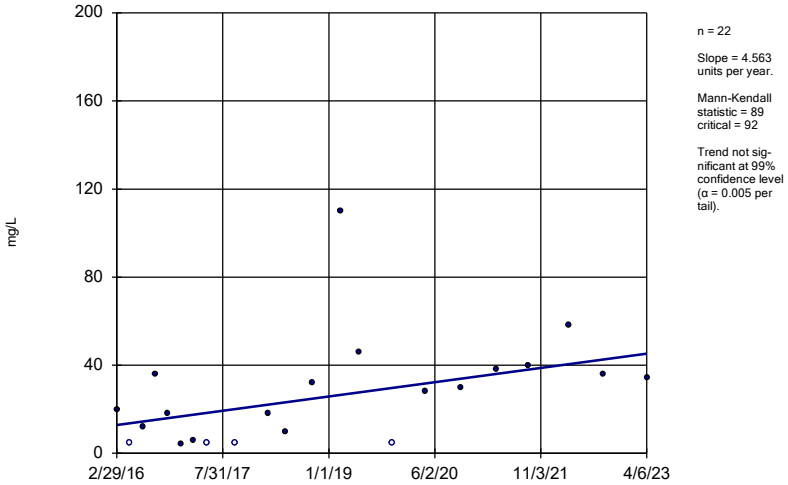
Constituent: Sulfate Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 4.563 units per year.

Mann-Kendall statistic = 89
critical = 92

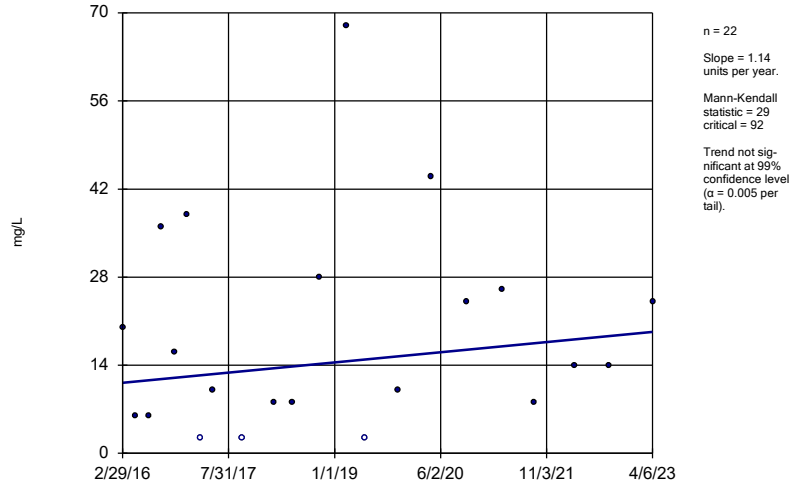
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 1.14 units per year.

Mann-Kendall statistic = 29
critical = 92

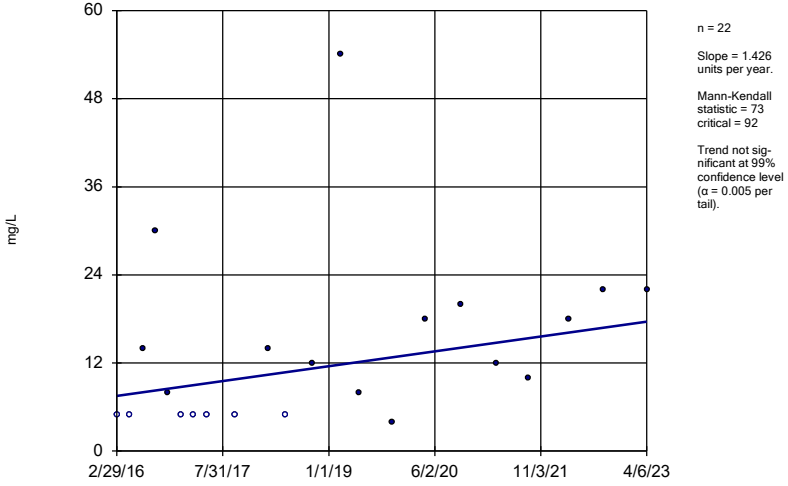
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 1.426 units per year.

Mann-Kendall statistic = 73
critical = 92

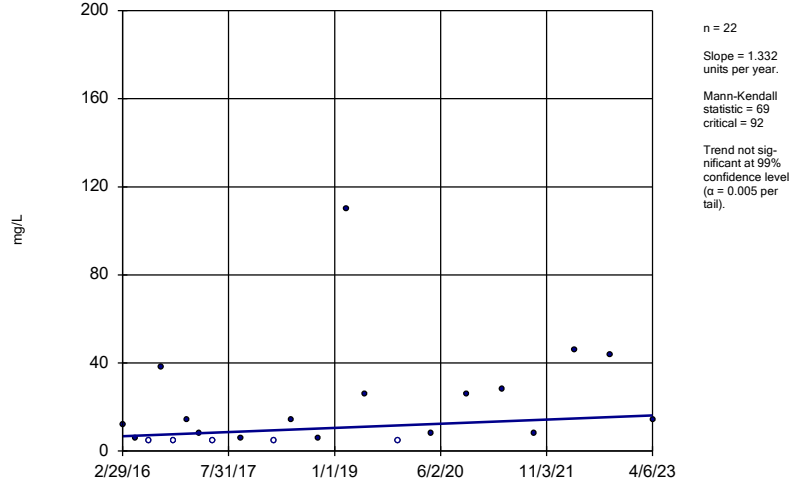
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 1.332 units per year.

Mann-Kendall statistic = 69
critical = 92

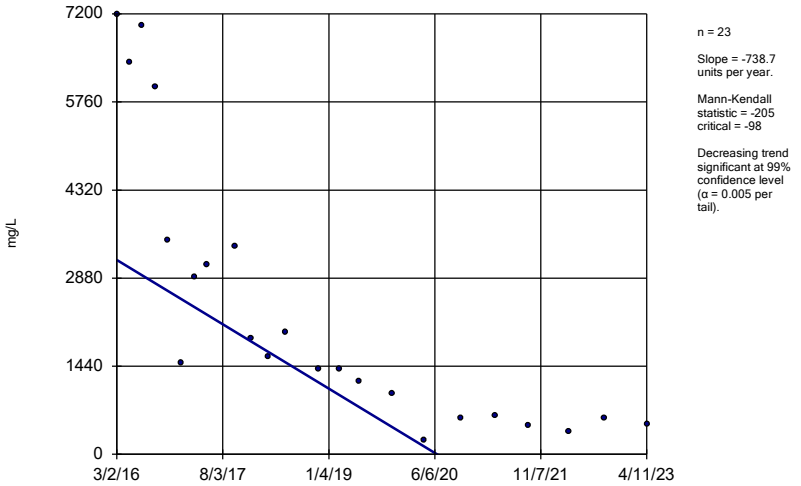
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-200



n = 23

Slope = -738.7 units per year.

Mann-Kendall statistic = -205 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

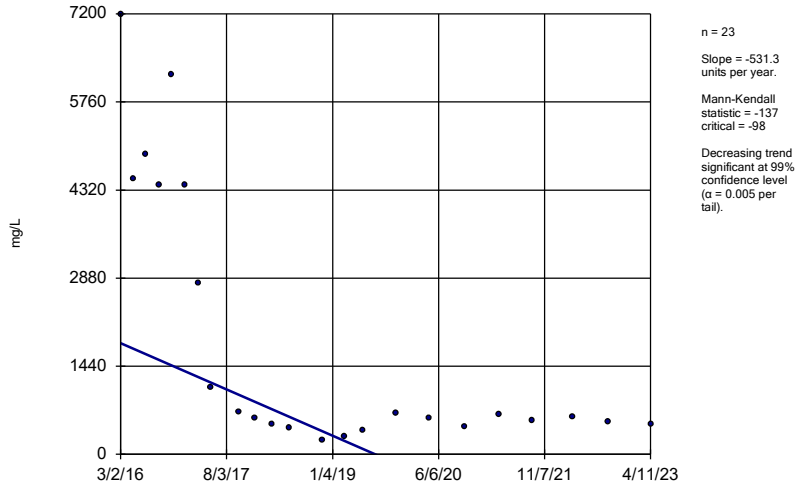
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-201



n = 23

Slope = -531.3 units per year.

Mann-Kendall statistic = -137 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

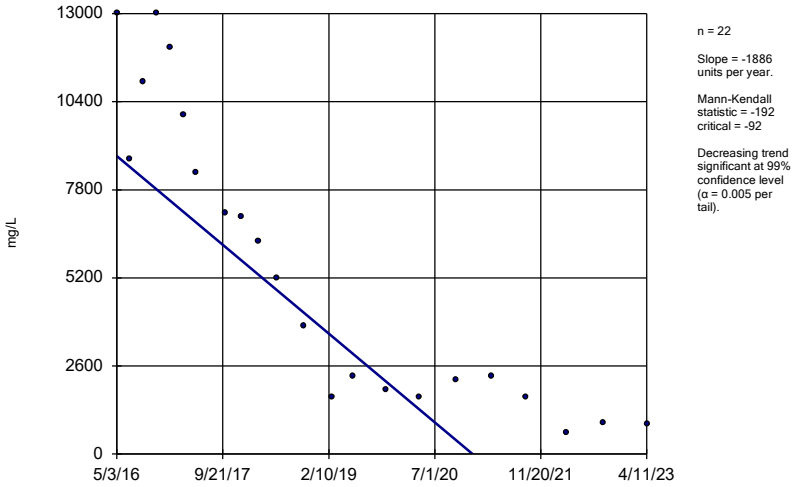
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-206



n = 22

Slope = -1886 units per year.

Mann-Kendall statistic = -192 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

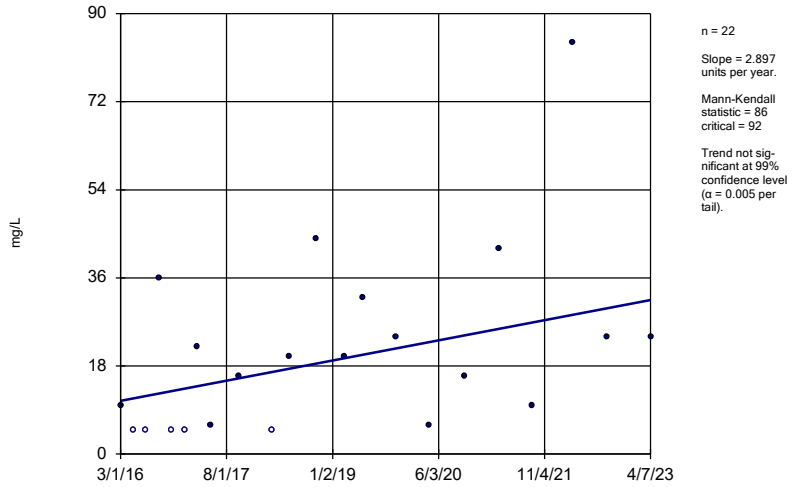
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 2.897 units per year.

Mann-Kendall statistic = 86 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

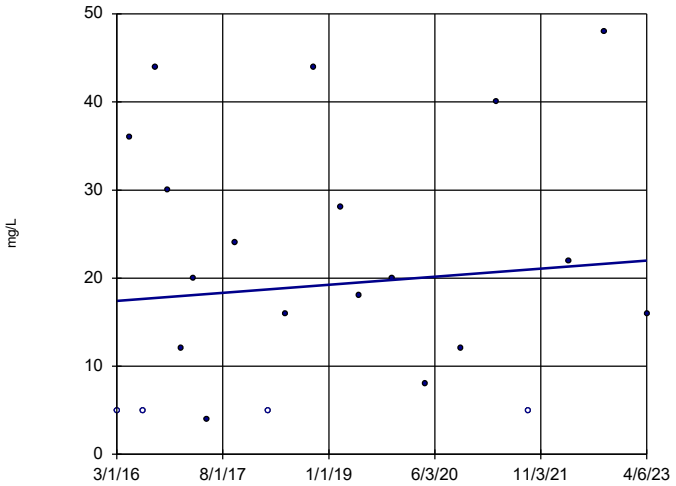
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.6409 units per year.

Mann-Kendall statistic = 15 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:31 PM View: 200 Series Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

300 Series

Appendix III - 300 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.01615**	**109**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-20.47**	**-135**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-305**	**7.543**	**108**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 300 Series - Trend Tests - All Results

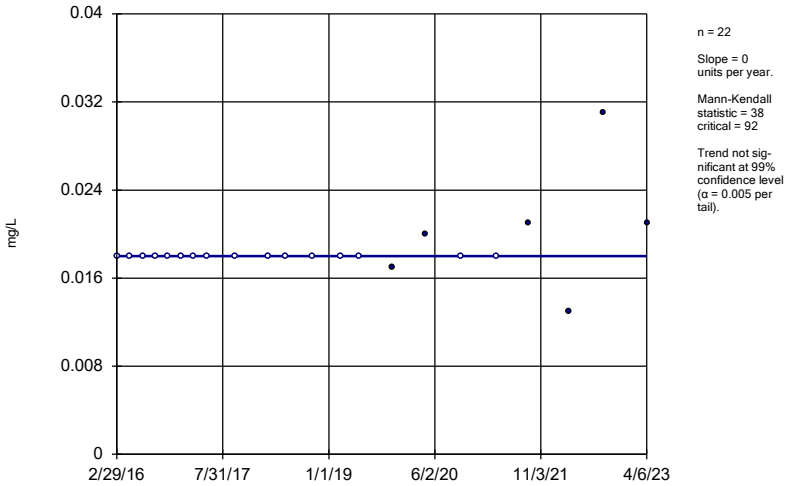
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-63	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	0	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.07766	28	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2751	89	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-70	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-69	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.2881	-60	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03594**	**100**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.00395	-21	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01798	-67	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1011**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	2.97	64	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	5.863	49	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-305	0.04267	31	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.006946	30	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05451**	**-113**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-1.49	-45	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-100 (bg)	0.1881	80	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2072**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2648**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-303	-1.867	-27	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-4.256	-33	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1131	51	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1677**	**105**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-308	0	-2	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01813	-38	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01561	-31	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.003558	-5	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-305	-0.04509	-79	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.02062	-39	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1042**	**-116**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-303	0.01931	72	98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-305	0	42	92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.01615**	**109**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	-9	-87	No	21	90.48	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-21	-92	No	22	86.36	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-9	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4714**	**141**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-303	0	9	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	12.11	26	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-305	0	52	92	No	22	63.64	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-20.47**	**-135**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	89	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.14	29	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	73	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.332	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	6.829	19	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	22.39	34	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-305**	**7.543**	**108**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.897	86	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	15	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-14.71	-63	-98	No	23	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 38 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

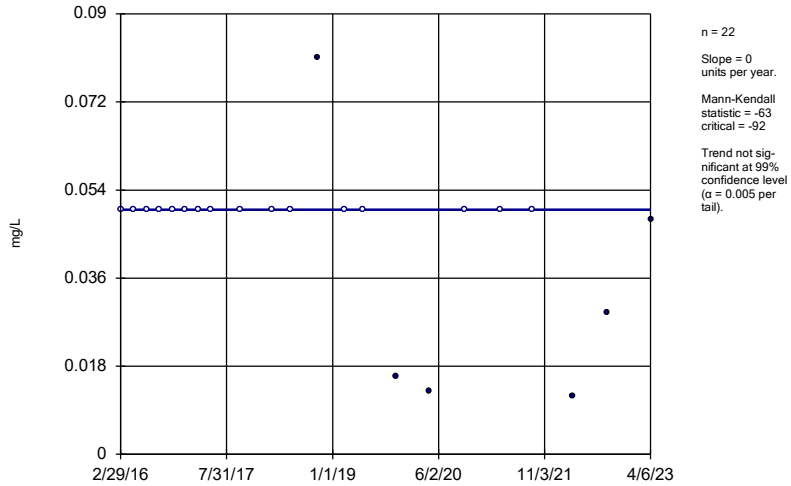
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -63 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

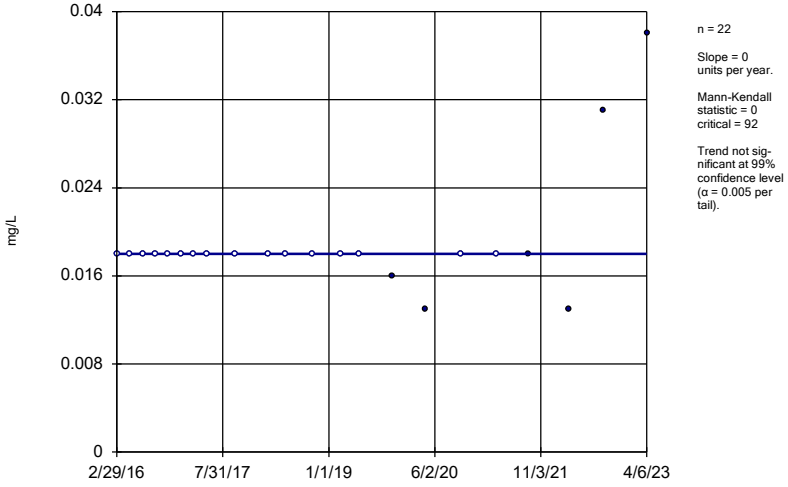
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

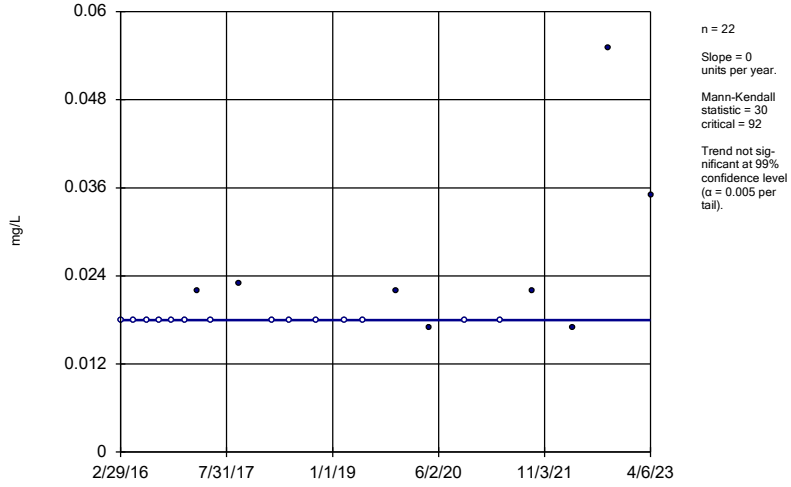
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

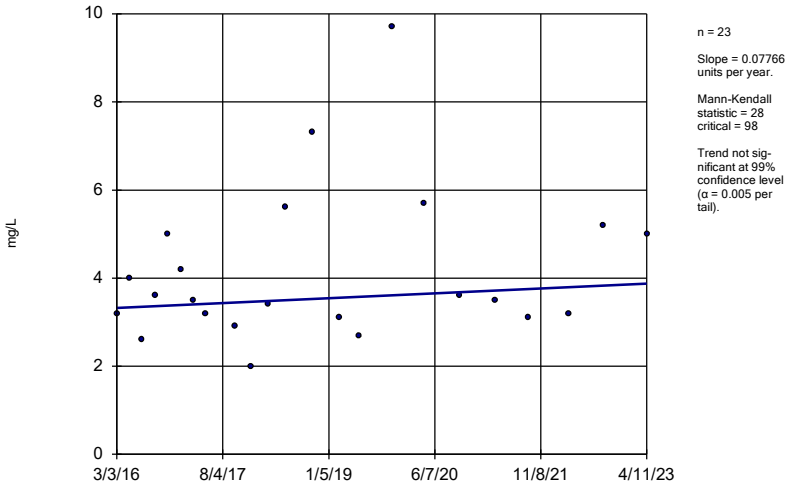
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 0.07766 units per year.

Mann-Kendall statistic = 28 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

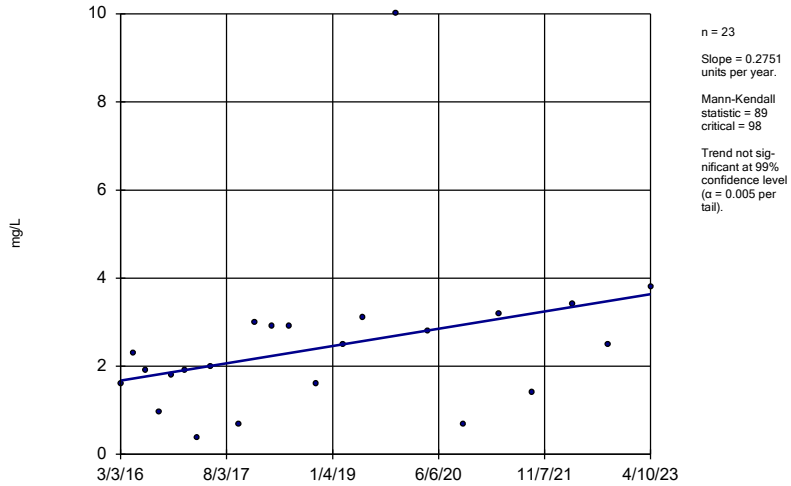
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 0.2751 units per year.

Mann-Kendall statistic = 89 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

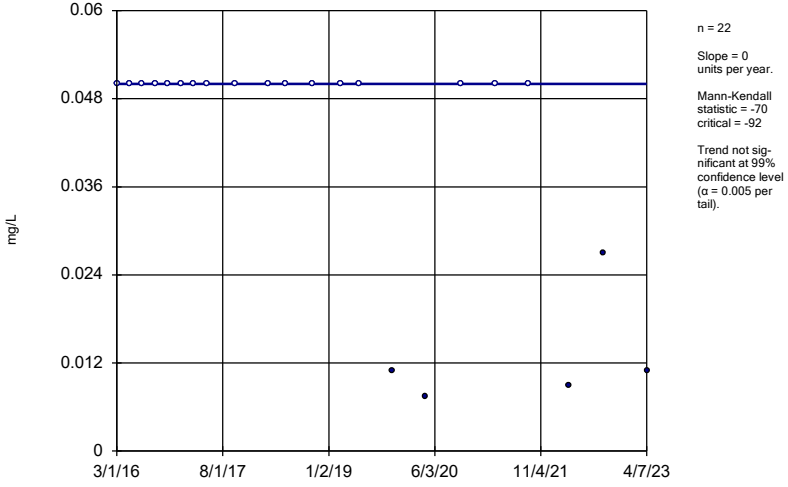
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -70 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

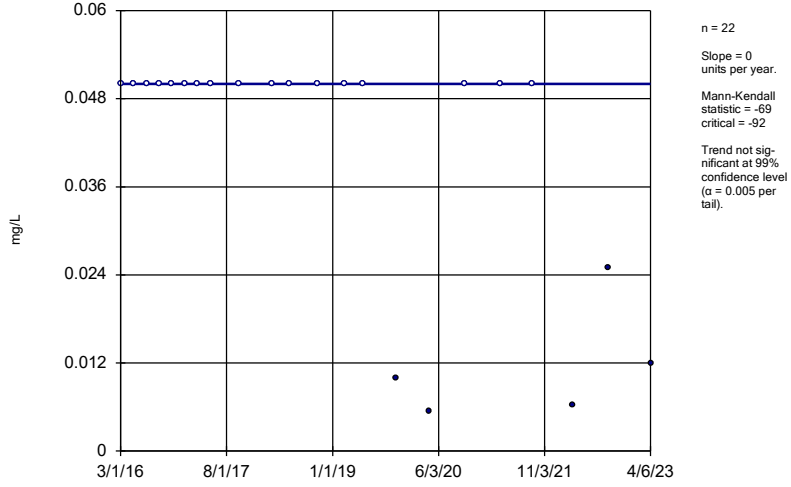
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -69 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

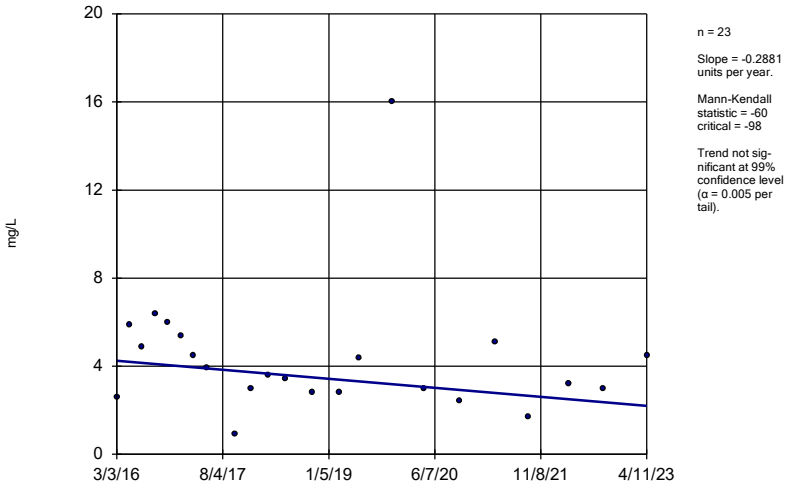
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-308



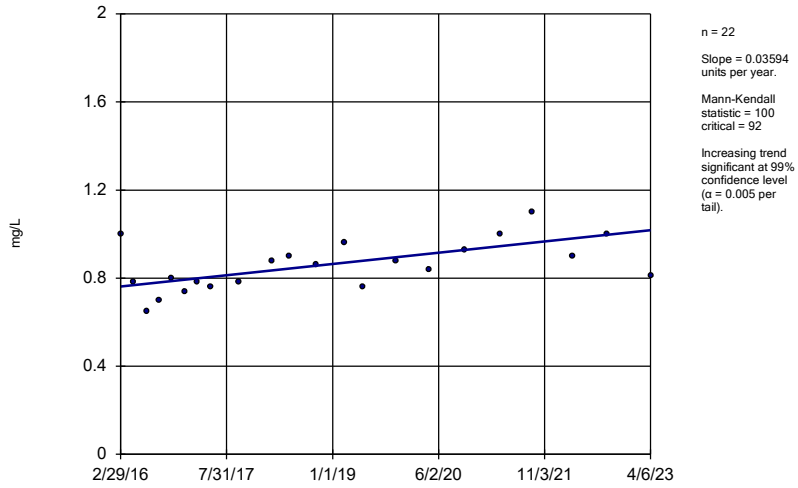
Constituent: Boron Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



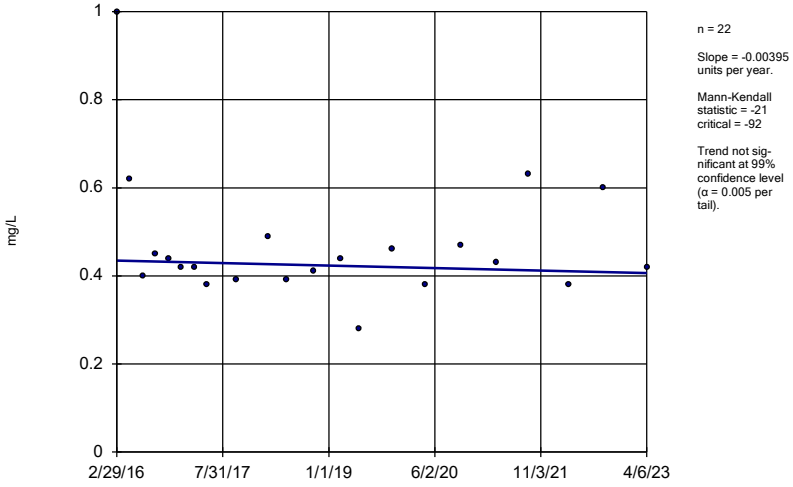
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



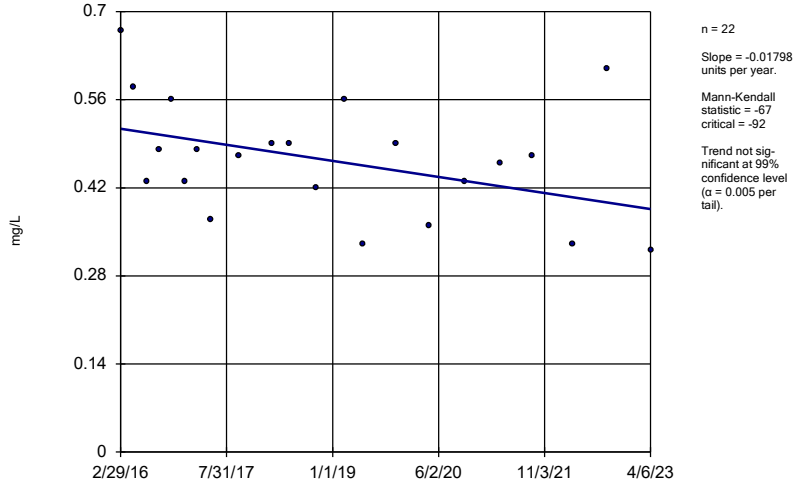
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



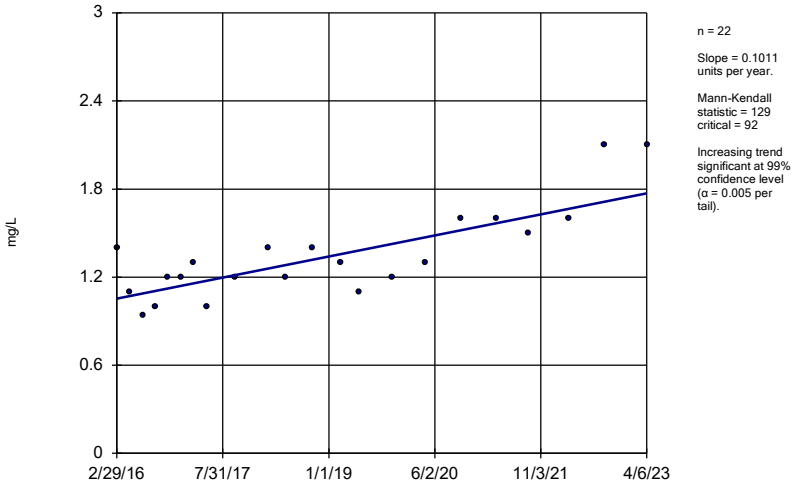
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1011 units per year.

Mann-Kendall statistic = 129 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

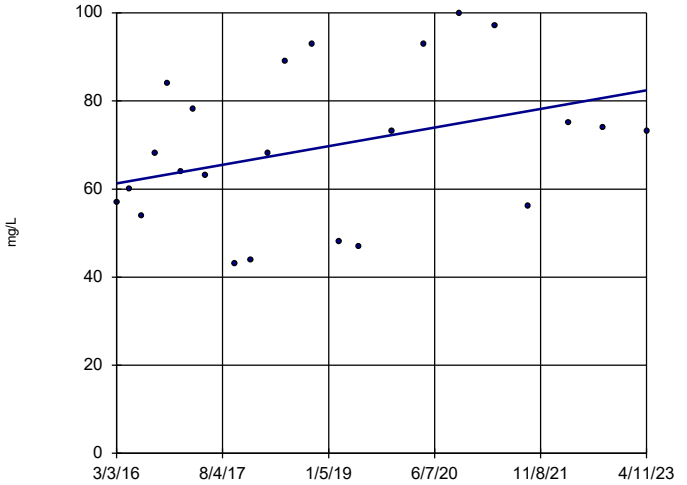
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 2.97 units per year.

Mann-Kendall statistic = 64 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

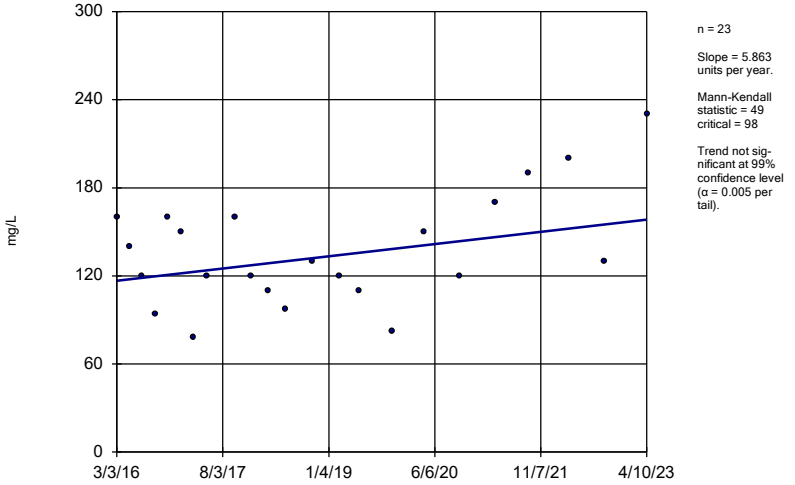
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 5.863 units per year.

Mann-Kendall statistic = 49 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

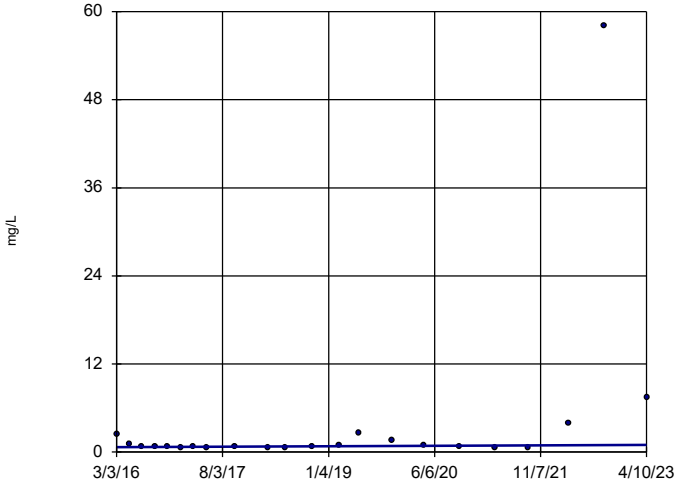
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-305



n = 22

Slope = 0.04267 units per year.

Mann-Kendall statistic = 31 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

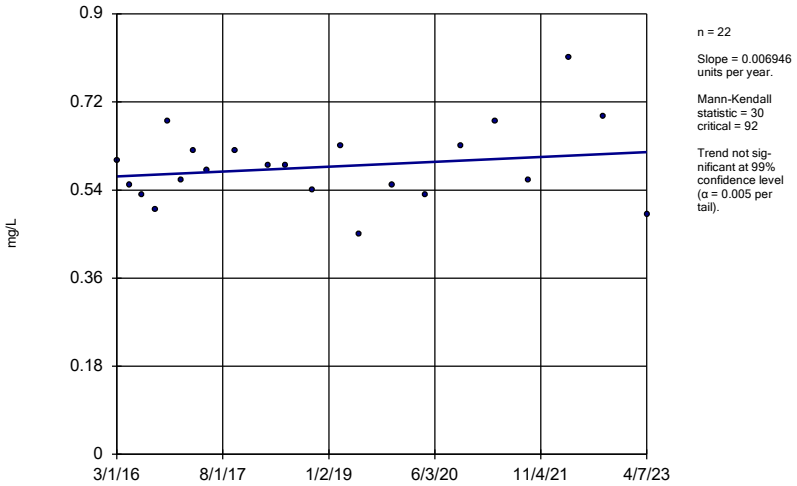
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.006946 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

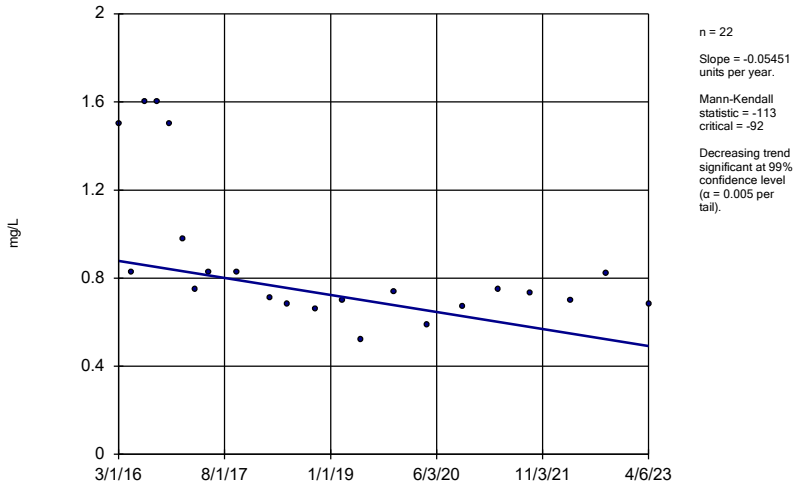
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.05451 units per year.

Mann-Kendall statistic = -113 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

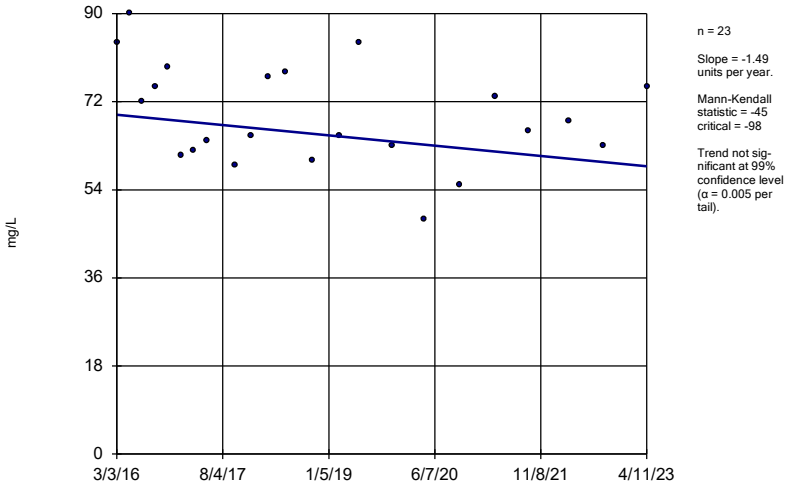
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -1.49 units per year.

Mann-Kendall statistic = -45 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

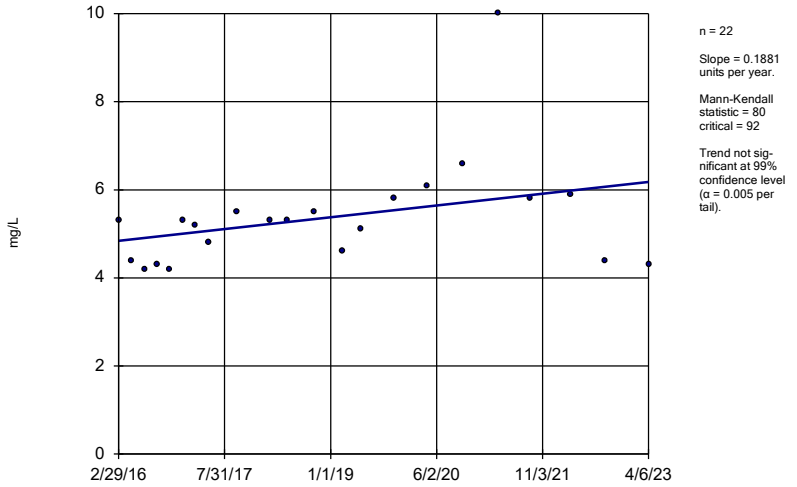
Constituent: Calcium Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.1881 units per year.

Mann-Kendall statistic = 80 critical = 92

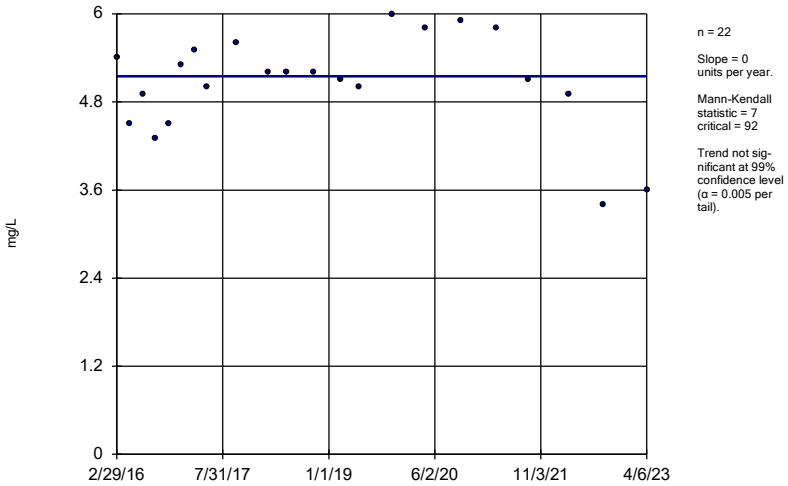
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

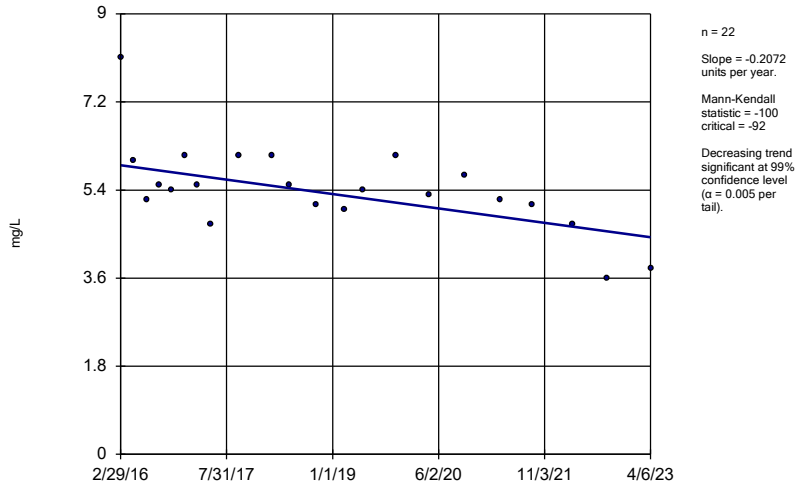
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.2072 units per year.

Mann-Kendall statistic = -100 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

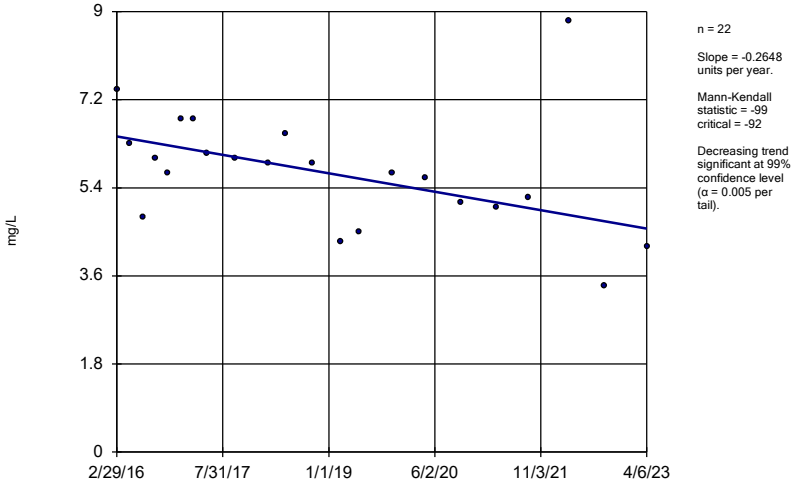
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = -0.2648 units per year.

Mann-Kendall statistic = -99 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

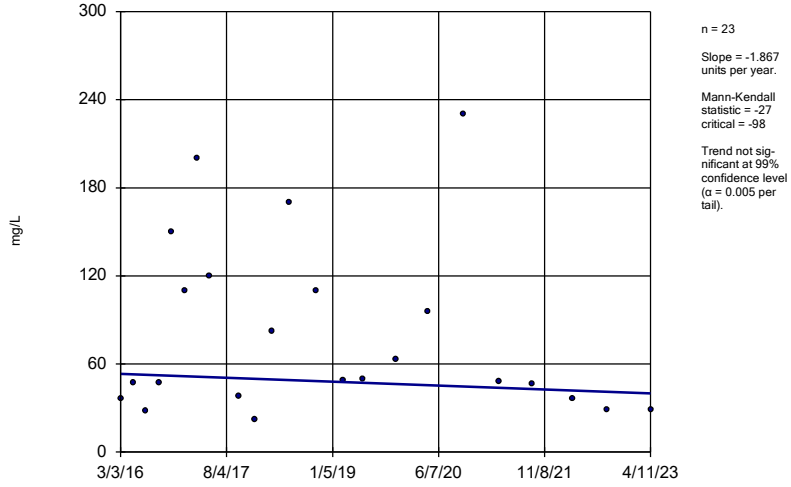
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = -1.867 units per year.

Mann-Kendall statistic = -27 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

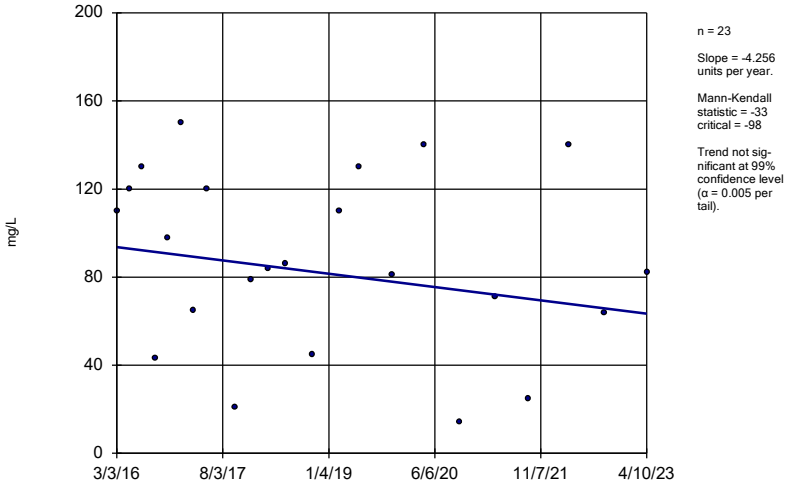
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = -4.256 units per year.

Mann-Kendall statistic = -33 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

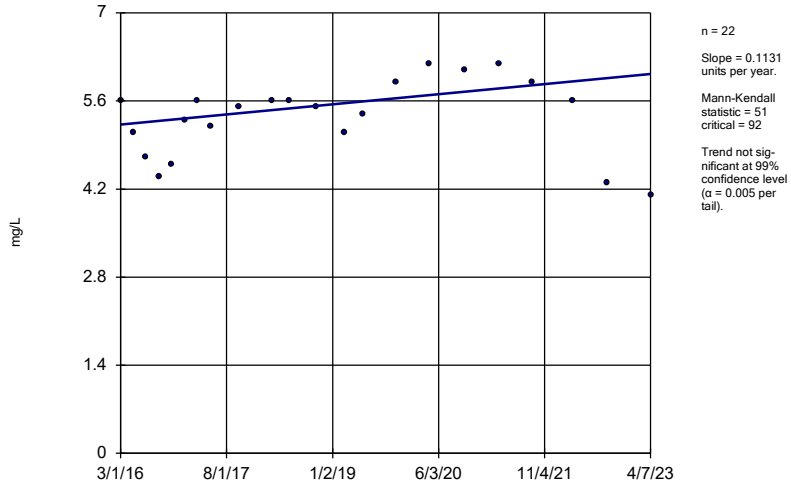
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.1131 units per year.

Mann-Kendall statistic = 51 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

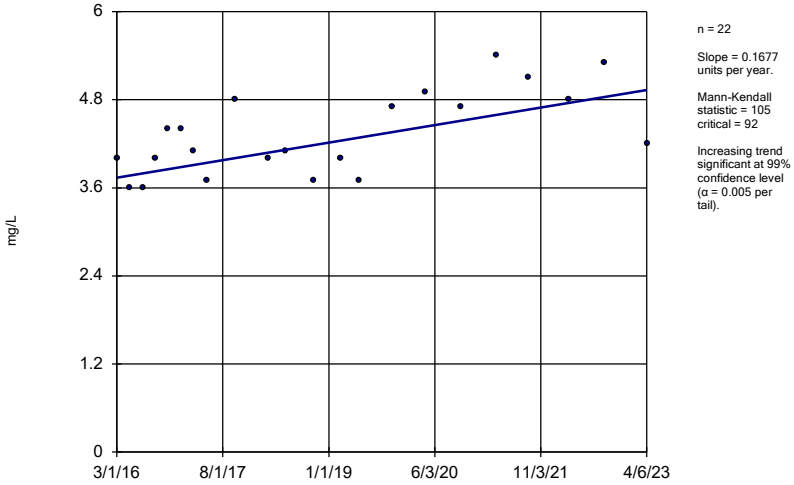
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.1677 units per year.

Mann-Kendall statistic = 105 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

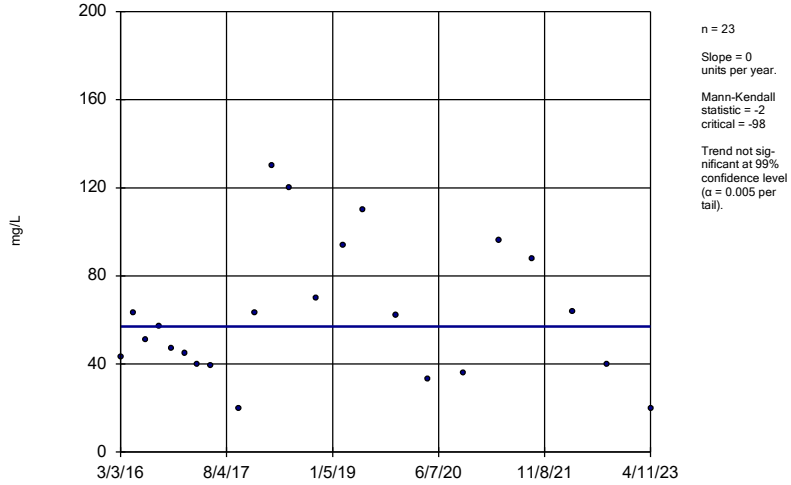
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -2 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

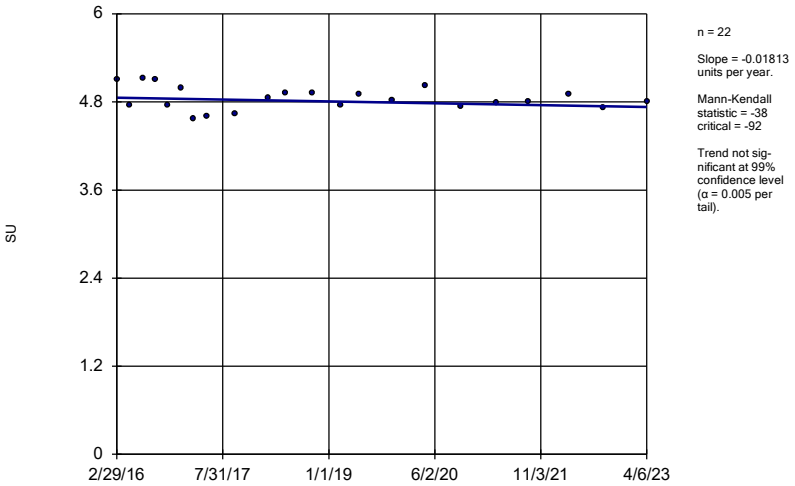
Constituent: Chloride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = -0.01813 units per year.

Mann-Kendall statistic = -38 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

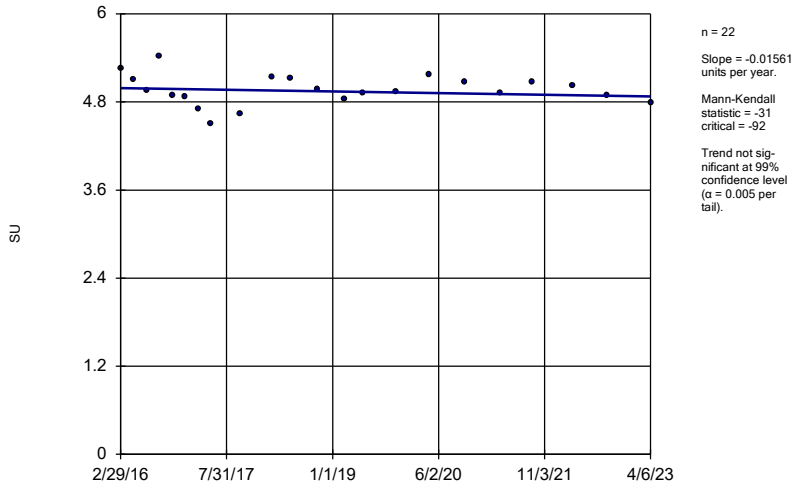
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.01561 units per year.

Mann-Kendall statistic = -31 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

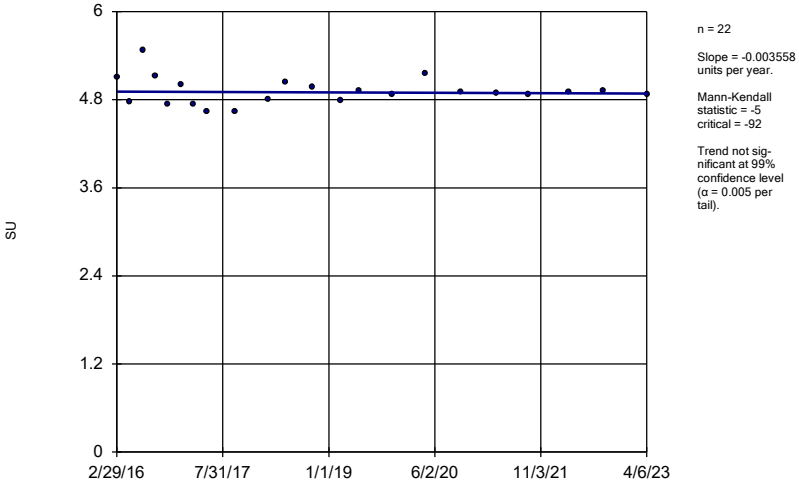
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.003558 units per year.

Mann-Kendall statistic = -5 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

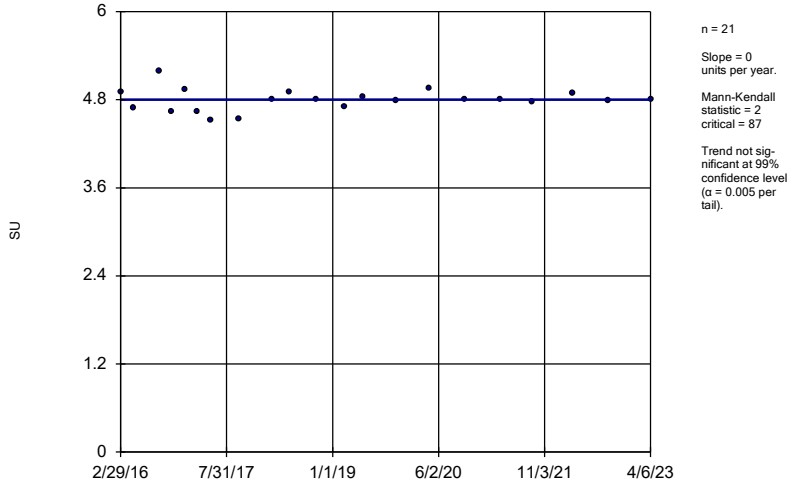
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

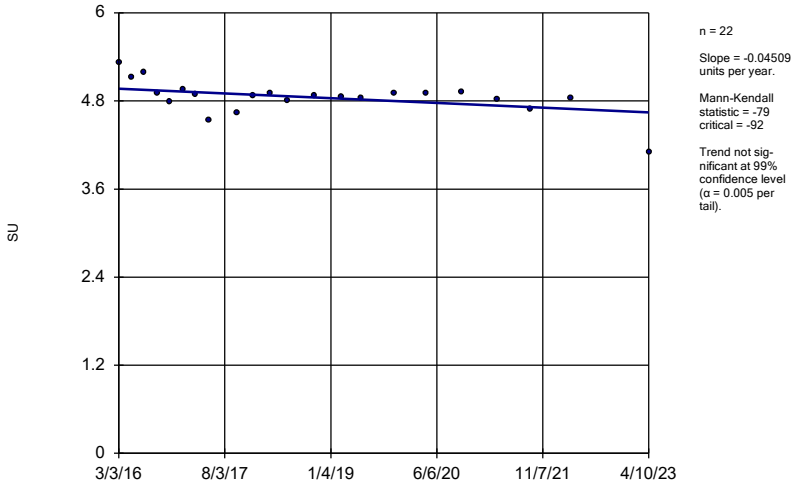
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-305



n = 22

Slope = -0.04509 units per year.

Mann-Kendall statistic = -79 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

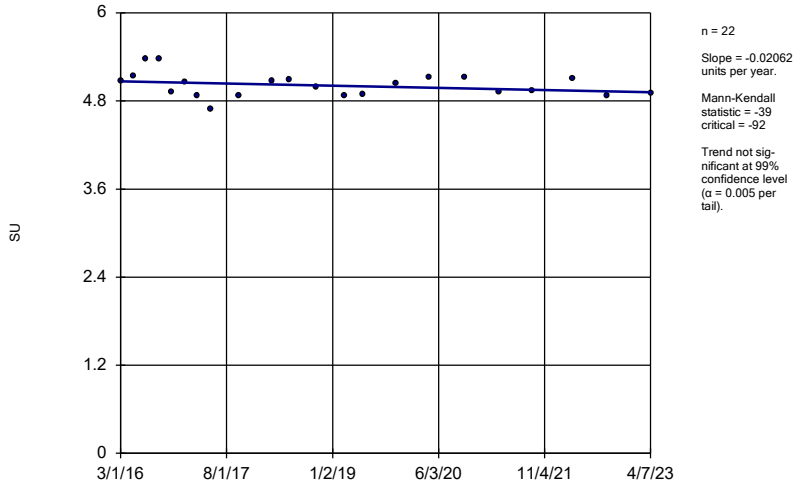
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = -0.02062 units per year.

Mann-Kendall statistic = -39 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

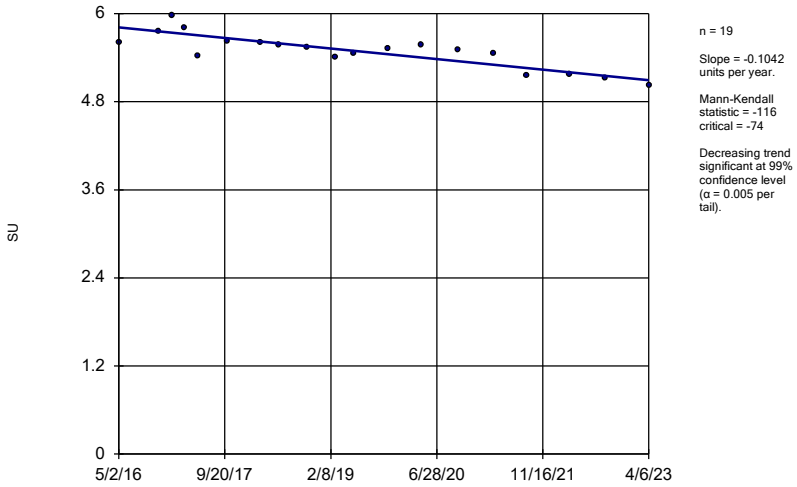
Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 19

Slope = -0.1042 units per year.

Mann-Kendall statistic = -116 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

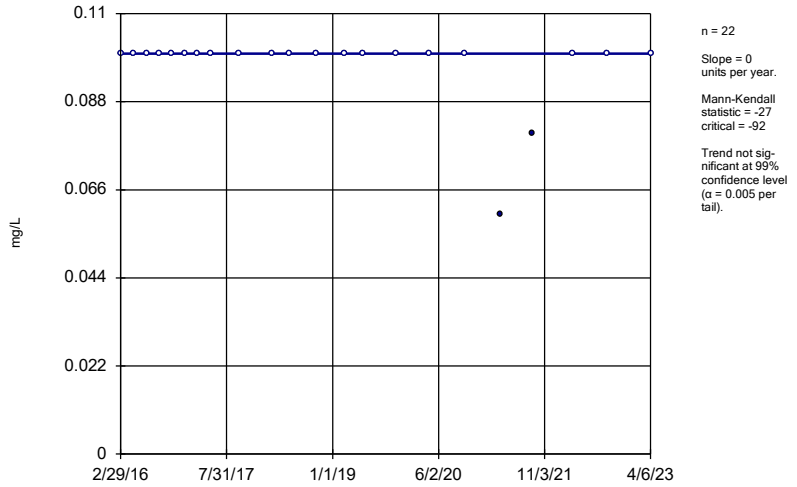
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -27 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

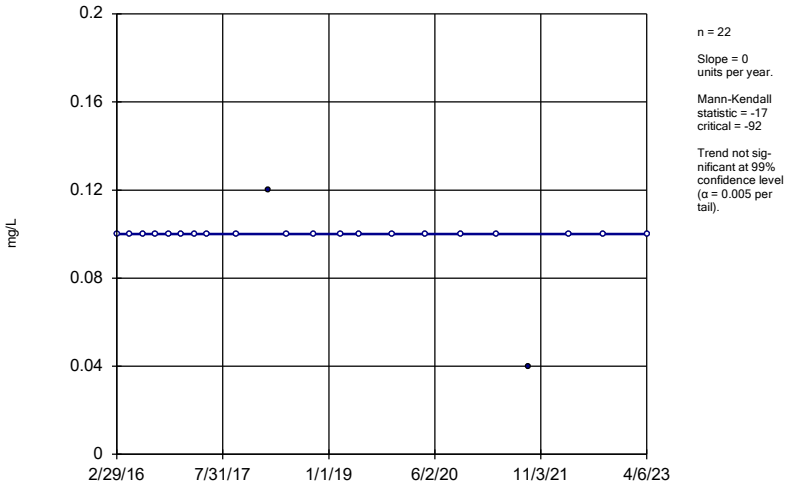
Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

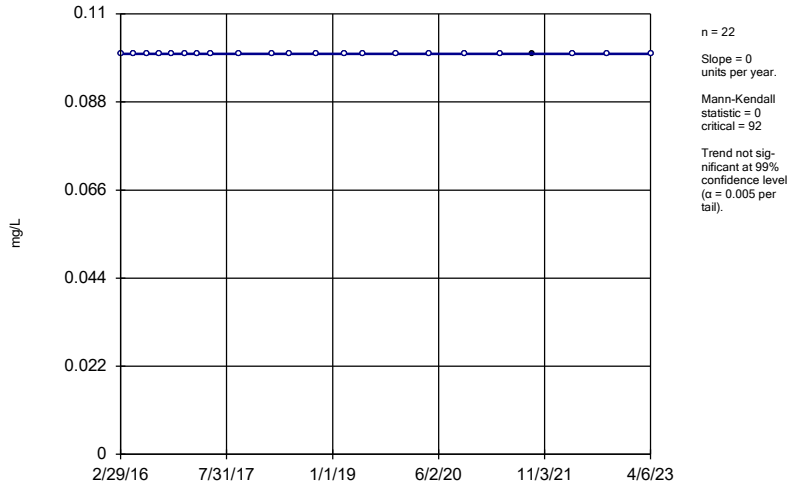
Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

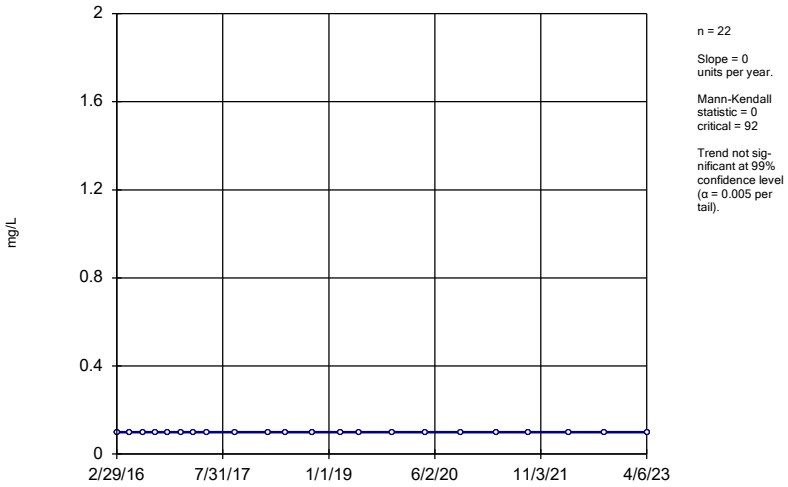
Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

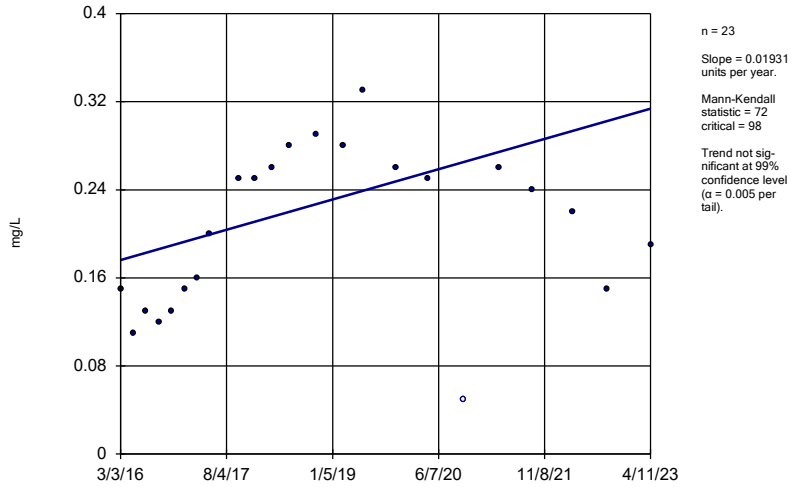
Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-303



n = 23

Slope = 0.01931 units per year.

Mann-Kendall statistic = 72 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

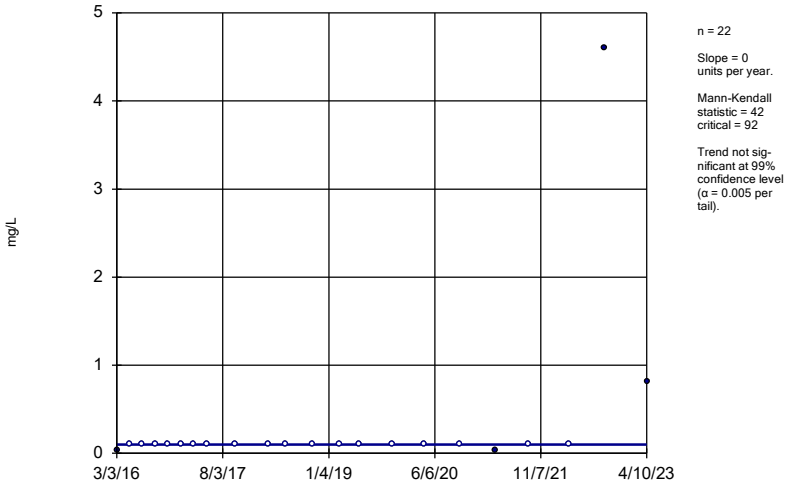
Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 42
critical = 92

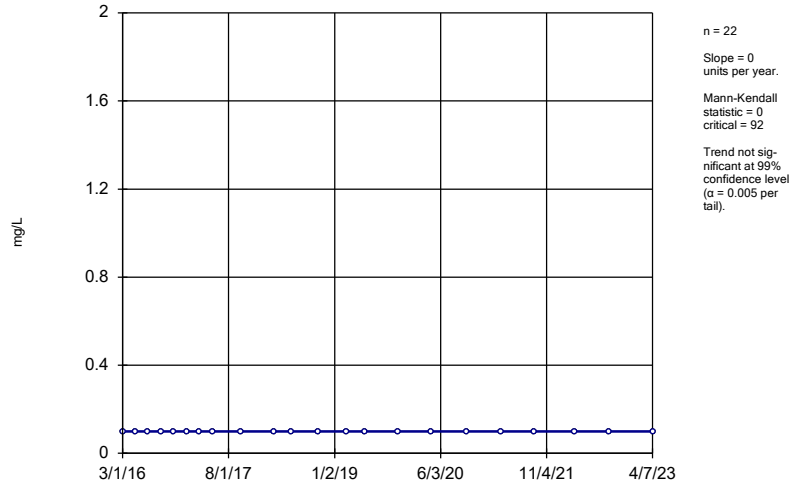
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 92

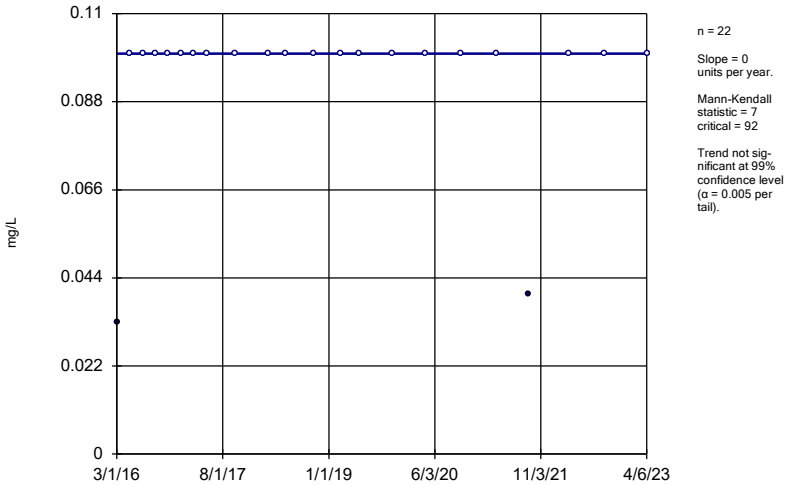
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 92

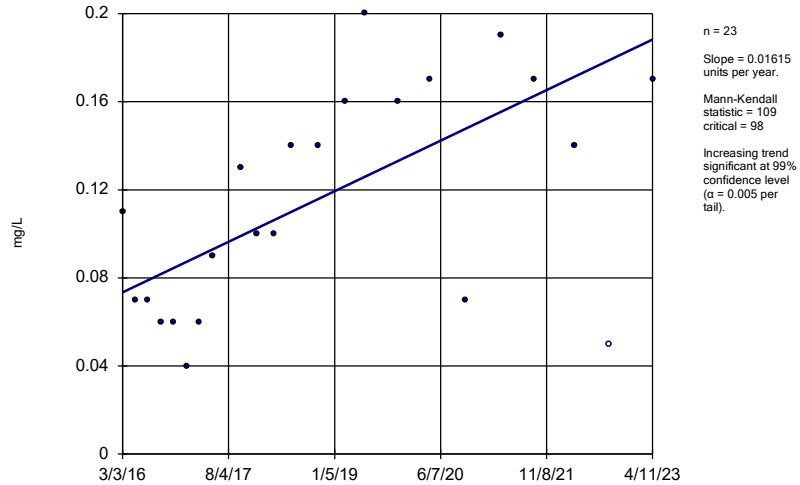
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-308



n = 23

Slope = 0.01615 units per year.

Mann-Kendall statistic = 109
critical = 98

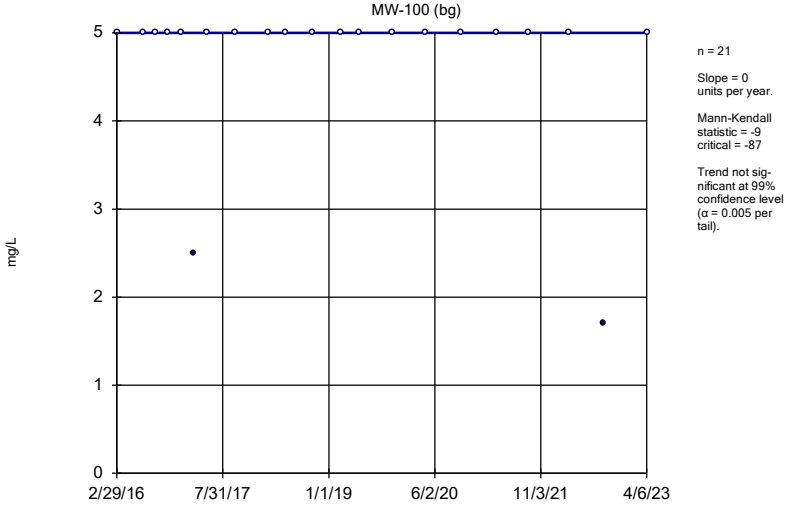
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 21

Slope = 0
units per year.

Mann-Kendall
statistic = -9
critical = -87

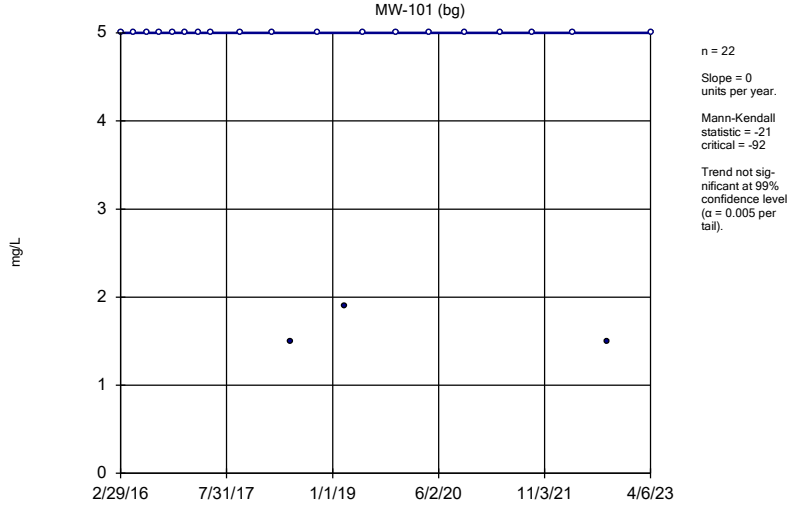
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -21
critical = -92

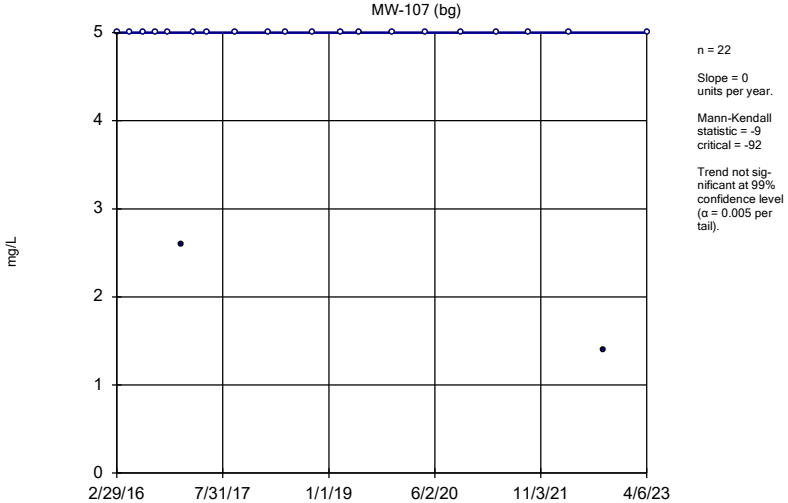
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -9
critical = -92

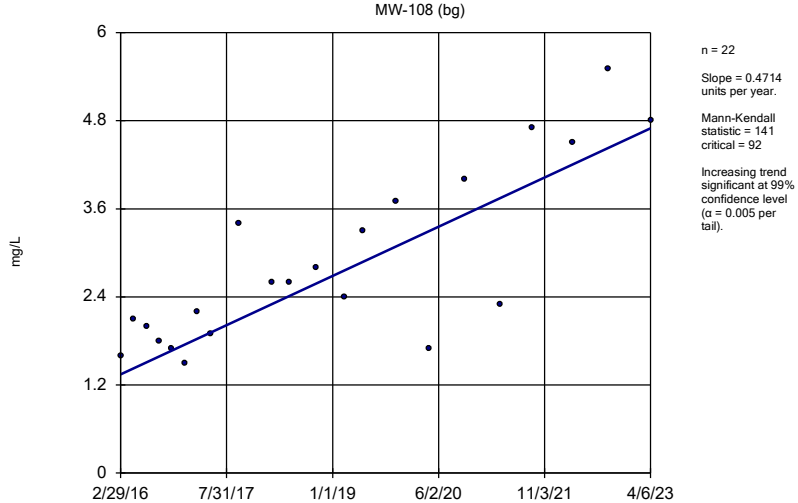
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.4714
units per year.

Mann-Kendall
statistic = 141
critical = 92

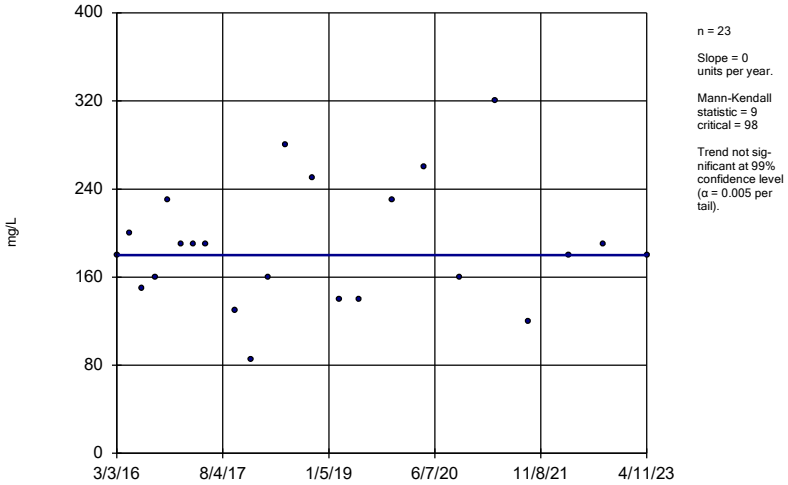
Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 9 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

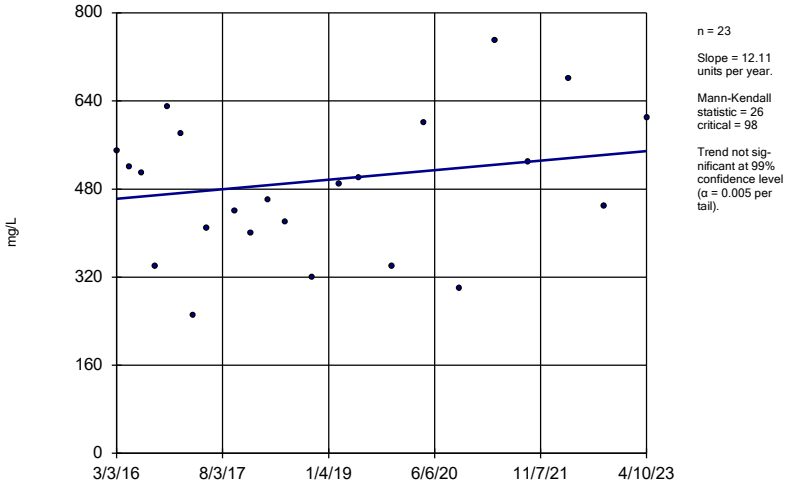
Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 12.11 units per year.

Mann-Kendall statistic = 26 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

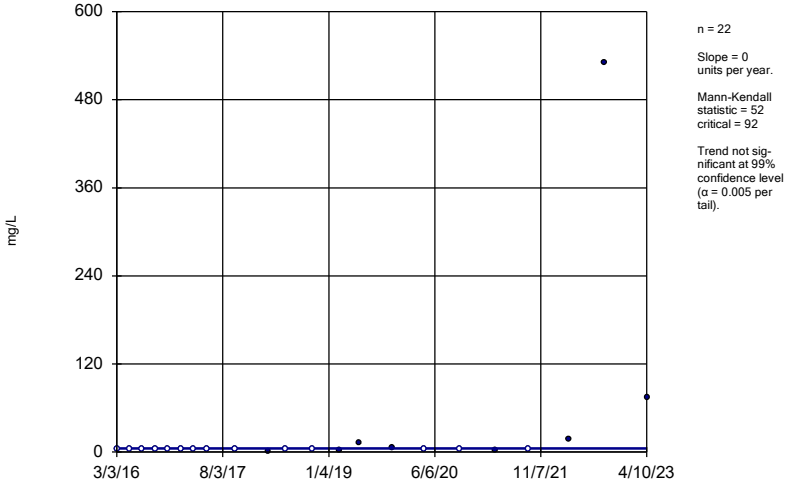
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 52 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

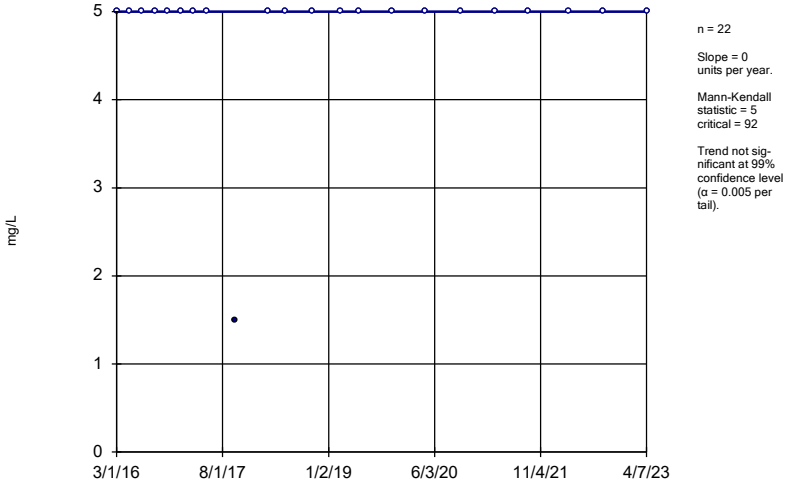
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

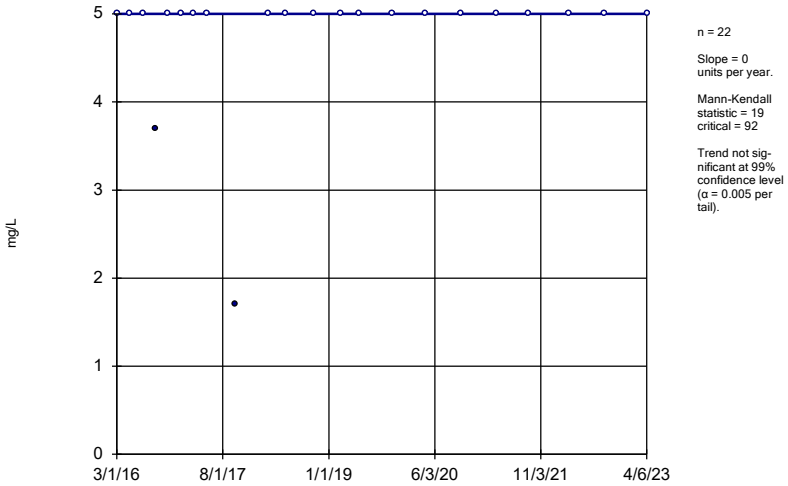
Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 19 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

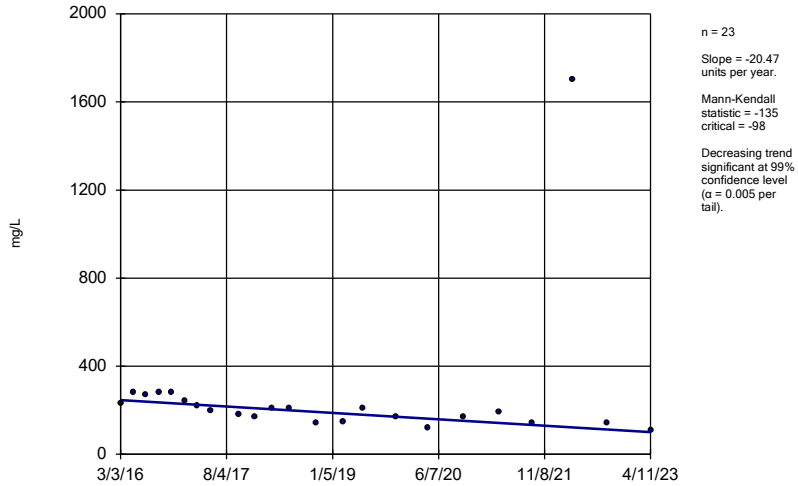
Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -20.47 units per year.

Mann-Kendall statistic = -135 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

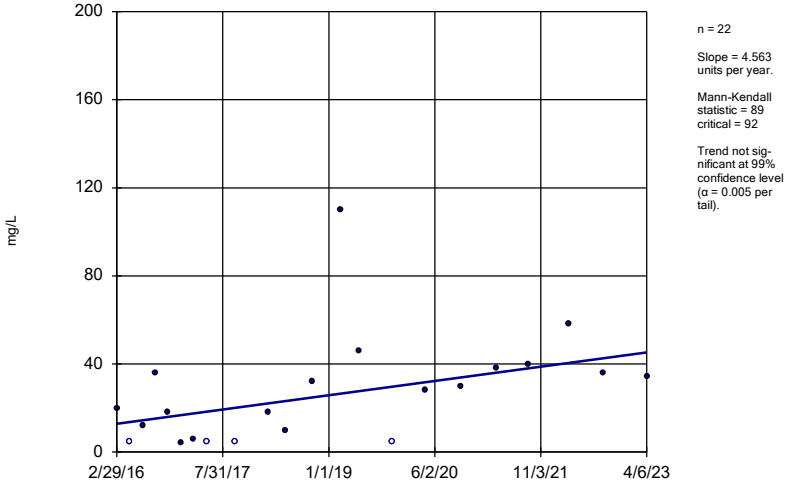
Constituent: Sulfate Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 4.563 units per year.

Mann-Kendall statistic = 89 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

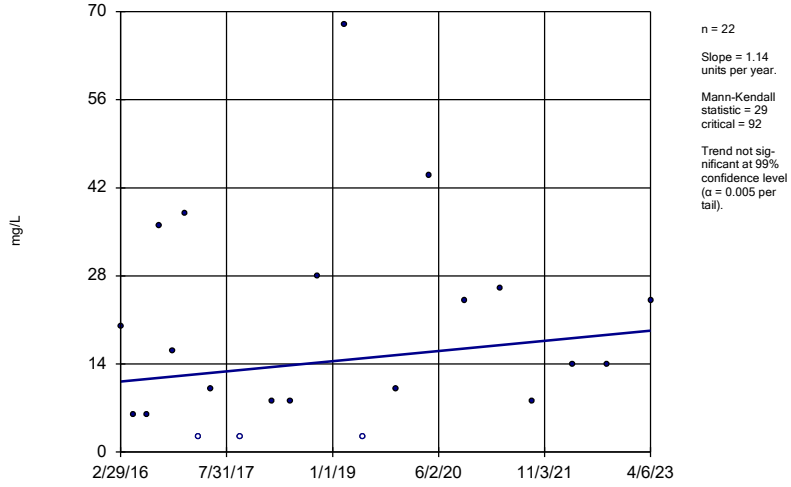
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 1.14 units per year.

Mann-Kendall statistic = 29 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

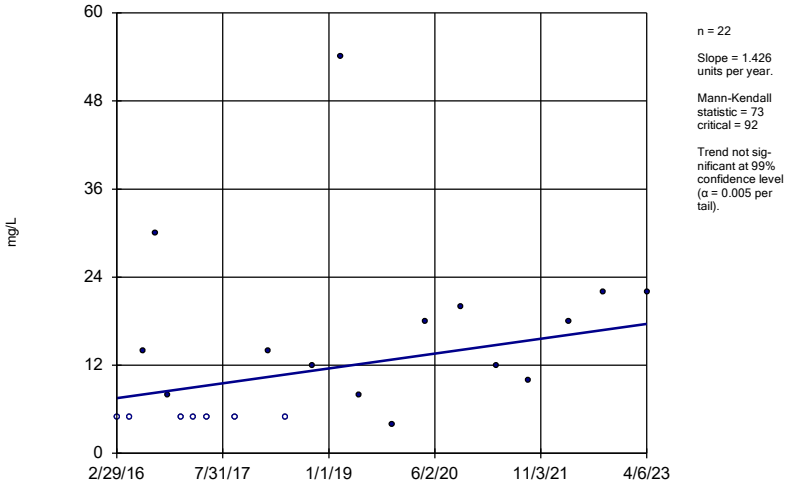
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 1.426 units per year.

Mann-Kendall statistic = 73
critical = 92

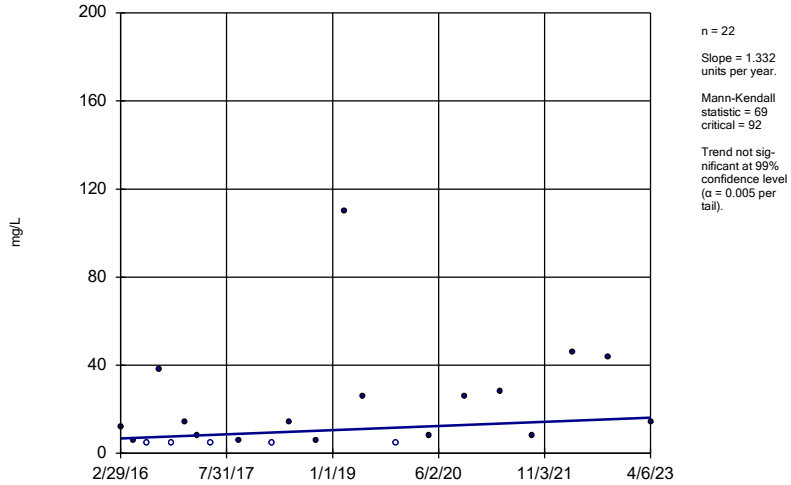
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 1.332 units per year.

Mann-Kendall statistic = 69
critical = 92

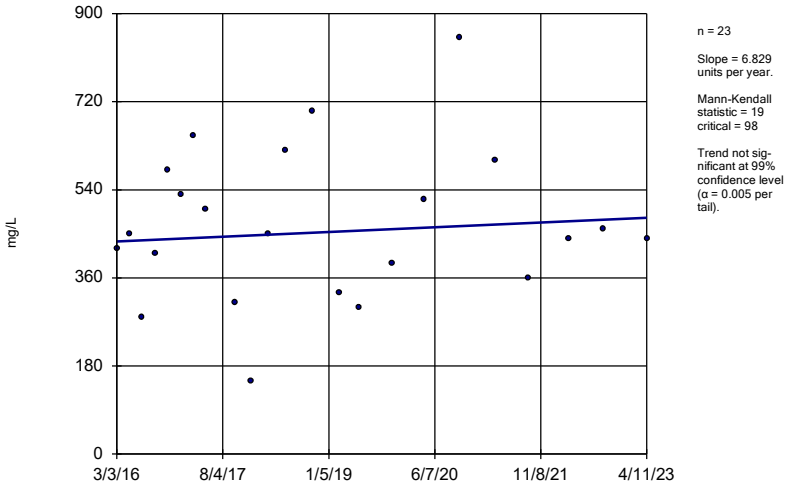
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 6.829 units per year.

Mann-Kendall statistic = 19
critical = 98

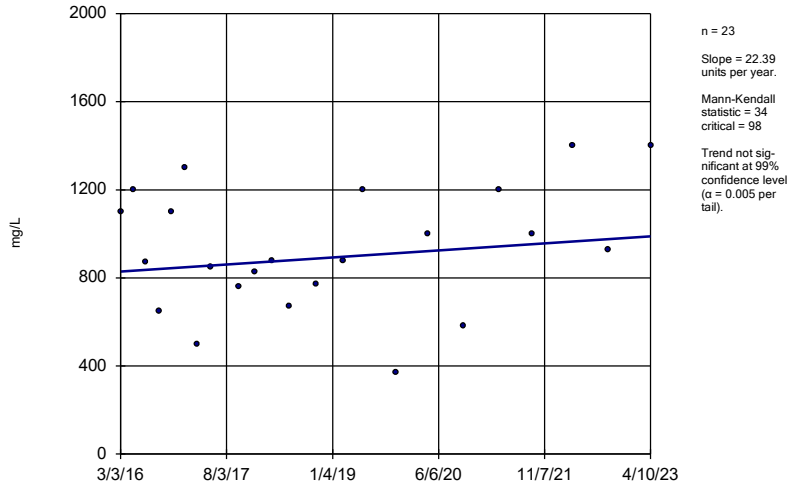
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 22.39 units per year.

Mann-Kendall statistic = 34
critical = 98

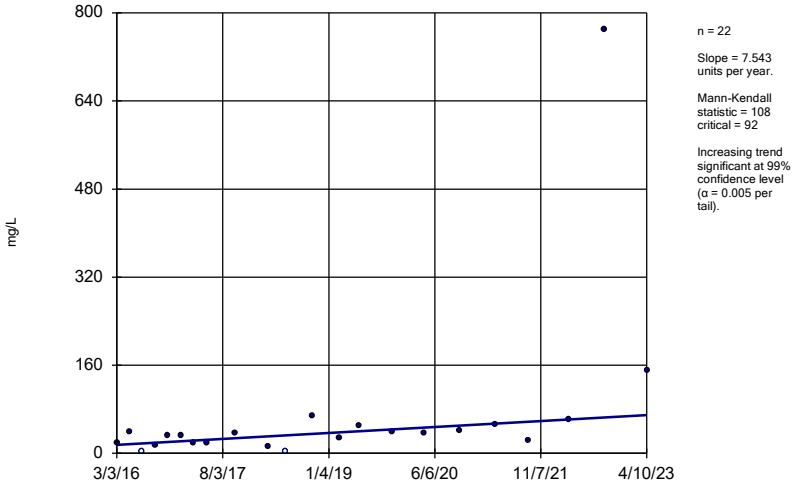
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 7.543 units per year.

Mann-Kendall statistic = 108
critical = 92

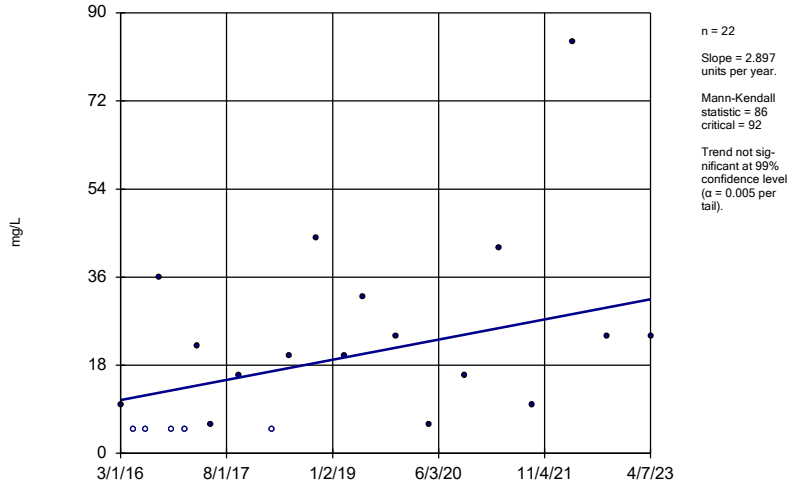
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 2.897 units per year.

Mann-Kendall statistic = 86
critical = 92

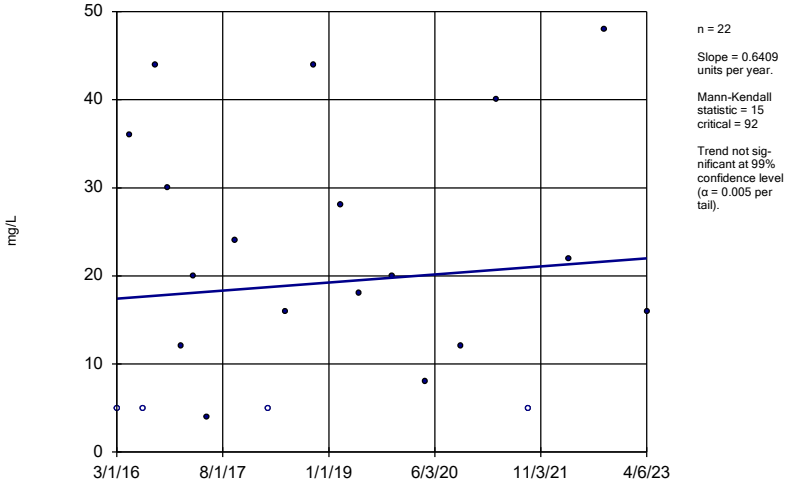
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.6409 units per year.

Mann-Kendall statistic = 15
critical = 92

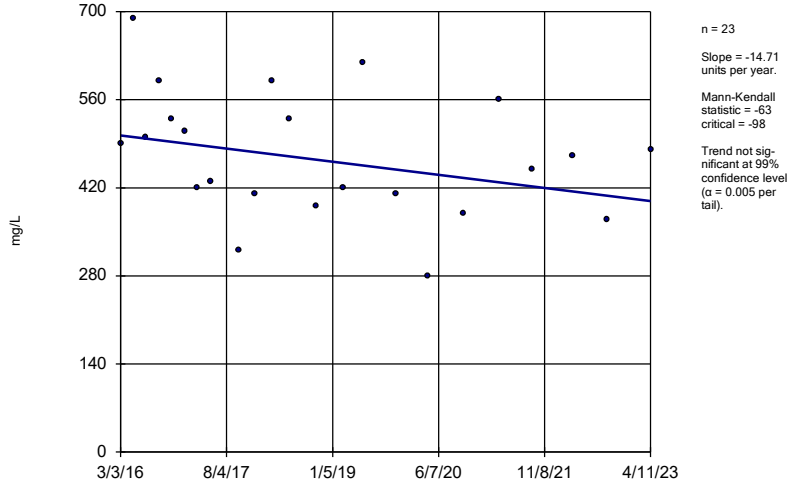
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -14.71 units per year.

Mann-Kendall statistic = -63
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/24/2023 2:39 PM View: 300 Series - Trend Test
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Upper Tolerance Limits

Upper Tolerance Limits Summary Table

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/16/2023, 4:03 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0025	n/a	n/a	n/a	n/a	114	100	n/a	0.002887	NP Inter(NDs)
Arsenic (mg/L)	0.0013	n/a	n/a	n/a	n/a	126	83.33	n/a	0.00156	NP Inter(NDs)
Barium (mg/L)	0.023	n/a	n/a	n/a	n/a	126	0	n/a	0.00156	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a	126	90.48	n/a	0.00156	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a	126	100	n/a	0.00156	NP Inter(NDs)
Chromium (mg/L)	0.0088	n/a	n/a	n/a	n/a	125	83.2	n/a	0.001642	NP Inter(NDs)
Cobalt (mg/L)	0.0032	n/a	n/a	n/a	n/a	126	37.3	n/a	0.00156	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	2.764	n/a	n/a	n/a	n/a	126	2.381	ln(x)	0.05	Inter
Fluoride (mg/L)	0.12	n/a	n/a	n/a	n/a	132	94.7	n/a	0.001147	NP Inter(NDs)
Lead (mg/L)	0.0013	n/a	n/a	n/a	n/a	126	94.44	n/a	0.00156	NP Inter(NDs)
Lithium (mg/L)	0.0054	n/a	n/a	n/a	n/a	125	71.2	n/a	0.001642	NP Inter(normality)
Mercury (mg/L)	0.00025	n/a	n/a	n/a	n/a	126	95.24	n/a	0.00156	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a	126	94.44	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.0034	n/a	n/a	n/a	n/a	126	80.16	n/a	0.00156	NP Inter(NDs)
Thallium (mg/L)	0.0005	n/a	n/a	n/a	n/a	126	99.21	n/a	0.00156	NP Inter(NDs)

Groundwater Protection Standards

GULF CLEAN ENERGY CENTER GWPS				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0025	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.023	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0088	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.76	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0054	0.04
Mercury, Total (mg/L)	0.002		0.00025	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0034	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Confidence Intervals - 100, 200 & 300 Series

100 Series

Appendix IV - 100 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02209**	**0.01572**	**0.006**	**n/a**	**Yes**	**21**	**0.0189**	**0.00577**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-110**	**0.01389**	**0.006832**	**0.006**	**n/a**	**Yes**	**21**	**0.01036**	**0.006399**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.19**	**13.68**	**5**	**n/a**	**Yes**	**21**	**15.93**	**4.096**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.944**	**5.47**	**5**	**n/a**	**Yes**	**21**	**6.207**	**1.336**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.005512**	**0.003454**	**0.002**	**n/a**	**Yes**	**21**	**0.004483**	**0.001866**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	n/a	No	21	0.001262	0.0001746	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	n/a	No	21	0.001248	0.0003492	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.006858	0.002853	0.01	n/a	No	21	0.004855	0.00363	4.762	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.0048	0.0036	0.01	n/a	No	21	0.00469	0.001669	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-109	0.0013	0.0011	0.01	n/a	No	21	0.001201	0.0002838	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00051	0.01	n/a	No	21	0.0009762	0.0004374	61.9	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.012	0.0086	2	n/a	No	21	0.01107	0.004579	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.05543	0.03714	2	n/a	No	21	0.04629	0.01657	0	None	No	0.01	Param.
Barium (mg/L)	MW-104	0.02641	0.02102	2	n/a	No	21	0.02371	0.00488	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04459	0.0337	2	n/a	No	21	0.03914	0.009866	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.01186	0.01006	2	n/a	No	21	0.01105	0.001787	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-109	0.02262	0.01827	2	n/a	No	21	0.02057	0.004142	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-110	0.04313	0.03163	2	n/a	No	21	0.03738	0.01043	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	n/a	No	21	0.002386	0.0005215	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001172	0.0008295	0.004	n/a	No	21	0.001001	0.0003108	14.29	None	No	0.01	Param.
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	n/a	No	21	0.002383	0.0005359	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	n/a	No	21	0.002272	0.0007198	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00049	0.005	n/a	No	21	0.001558	0.001016	52.38	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	n/a	No	21	0.002385	0.0005285	95.24	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	n/a	No	21	0.002282	0.0006881	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.0012	0.1	n/a	No	21	0.002532	0.001018	80.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.003	0.0011	0.1	n/a	No	21	0.002673	0.00171	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.002007	0.001336	0.1	n/a	No	21	0.002133	0.0005219	28.57	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MW-105	0.002471	0.001813	0.1	n/a	No	21	0.002142	0.0005963	4.762	None	No	0.01	Param.
Chromium (mg/L)	MW-106	0.0044	0.0019	0.1	n/a	No	21	0.002562	0.000441	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0061	0.0025	0.1	n/a	No	21	0.003314	0.003011	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	n/a	No	21	0.002258	0.0006449	80.95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00088	0.006	n/a	No	21	0.002203	0.0007551	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00044	0.006	n/a	No	21	0.001815	0.001006	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02209**	**0.01572**	**0.006**	**n/a**	**Yes**	**21**	**0.0189**	**0.00577**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	n/a	No	21	0.00221	0.0007368	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00045	0.006	n/a	No	21	0.001222	0.0009398	33.33	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.007479	0.004106	0.006	n/a	No	21	0.005793	0.003057	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-110**	**0.01389**	**0.006832**	**0.006**	**n/a**	**Yes**	**21**	**0.01036**	**0.006399**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-102	1.92	1.08	5	n/a	No	21	1.743	1.082	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-103	6.456	4.74	5	n/a	No	21	5.598	1.556	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.19**	**13.68**	**5**	**n/a**	**Yes**	**21**	**15.93**	**4.096**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.001	2.557	5	n/a	No	21	3.279	1.308	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.331	0.8206	5	n/a	No	21	1.076	0.4626	4.762	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	3.019	1.833	5	n/a	No	21	2.426	1.075	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.944**	**5.47**	**5**	**n/a**	**Yes**	**21**	**6.207**	**1.336**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-103	0.24	0.037	4	n/a	No	22	0.1035	0.03331	90.91	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3476	0.2429	4	n/a	No	23	0.2952	0.1001	4.348	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	n/a	No	22	0.08232	0.02717	68.18	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.05	4	n/a	No	22	0.09773	0.01066	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	n/a	No	22	0.0795	0.02843	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	n/a	No	21	0.001191	0.000343	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	n/a	No	21	0.001243	0.0002597	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002306	0.001875	0.015	n/a	No	21	0.00209	0.000391	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	n/a	No	21	0.001225	0.0002671	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	n/a	No	21	0.001257	0.0001986	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.0012	0.015	n/a	No	21	0.001151	0.000375	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0013	0.0004	0.015	n/a	No	21	0.001071	0.0004194	76.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	n/a	No	21	0.004452	0.001377	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0017	0.04	n/a	No	21	0.003398	0.001676	47.62	None	No	0.01	NP (normality)

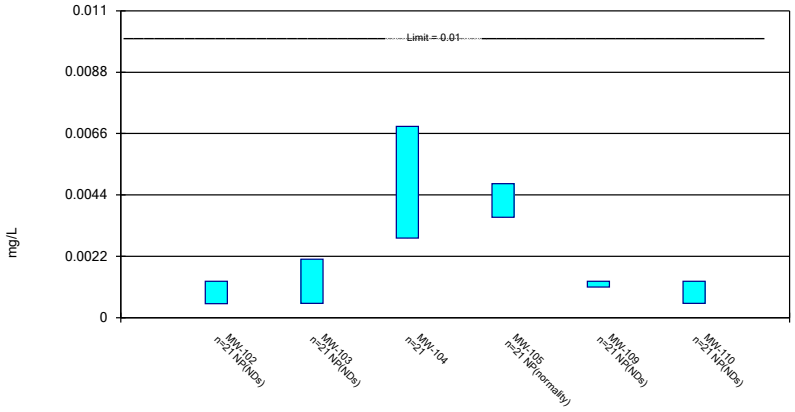
Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 9:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	MW-104	0.03074	0.01927	0.04	n/a	No	21	0.02571	0.01141	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	n/a	No	21	0.00478	0.001006	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.005	0.0035	0.04	n/a	No	21	0.004253	0.001792	71.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006551	0.005049	0.04	n/a	No	21	0.0058	0.001361	4.762	None	No	0.01	Param.
Lithium (mg/L)	MW-110	0.012	0.0073	0.04	n/a	No	21	0.01331	0.01825	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	n/a	No	21	0.0001899	0.00003188	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	n/a	No	21	0.0002143	0.0000949	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001167	0.0006672	0.002	n/a	No	21	0.0009543	0.0005057	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	n/a	No	21	0.0001943	0.00002619	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.00047	0.0002	0.002	n/a	No	21	0.0005203	0.0007223	61.9	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.005512**	**0.003454**	**0.002**	**n/a**	**Yes**	**21**	**0.004483**	**0.001866**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.00091	0.1	n/a	No	21	0.01433	0.003075	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.00092	0.1	n/a	No	21	0.01433	0.003073	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005549	0.003675	0.1	n/a	No	21	0.004714	0.001852	4.762	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.015	0.00068	0.1	n/a	No	21	0.01432	0.003125	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.0009	0.1	n/a	No	21	0.01433	0.003077	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0013	0.001	0.05	n/a	No	21	0.001224	0.0008371	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.002613	0.001684	0.05	n/a	No	21	0.002148	0.0008421	4.762	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01266	0.006295	0.05	n/a	No	21	0.009476	0.005766	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.0004	0.05	n/a	No	21	0.0009386	0.0004625	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.0016	0.0013	0.05	n/a	No	21	0.001314	0.00006547	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0015	0.00035	0.05	n/a	No	21	0.001195	0.0004203	76.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003737	0.003197	0.05	n/a	No	21	0.003467	0.0004892	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	n/a	No	21	0.0004862	0.00006328	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	n/a	No	21	0.0004608	0.0001255	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003473	0.0002508	0.002	n/a	No	21	0.000299	0.00008752	9.524	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	n/a	No	21	0.0004695	0.00009811	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	n/a	No	21	0.0004819	0.00008292	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002866	0.0002372	0.002	n/a	No	21	0.0002619	0.00004479	14.29	None	No	0.01	Param.

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

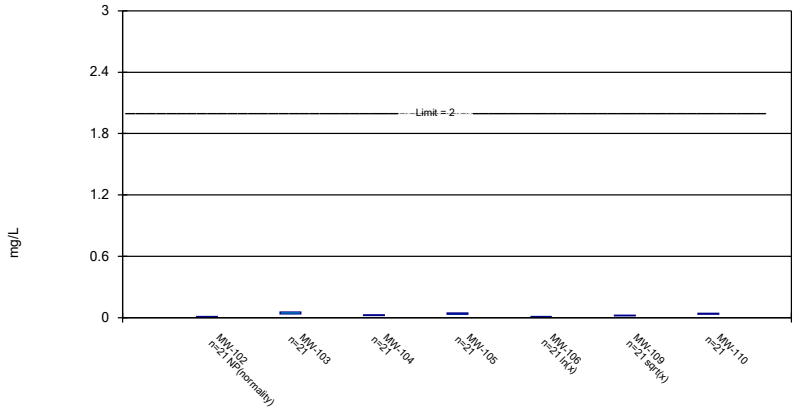


Constituent: Arsenic Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

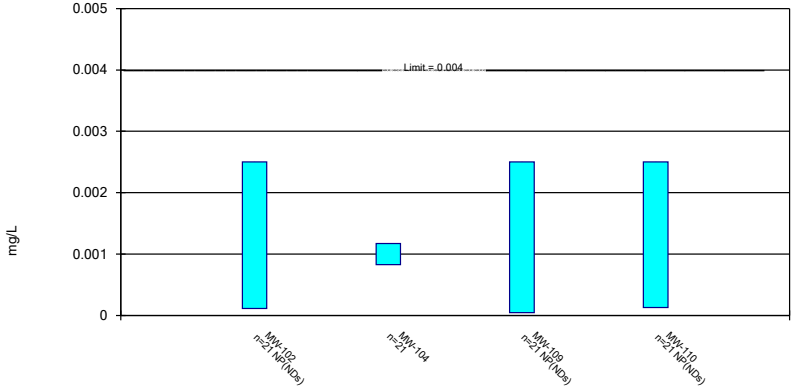


Constituent: Barium Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

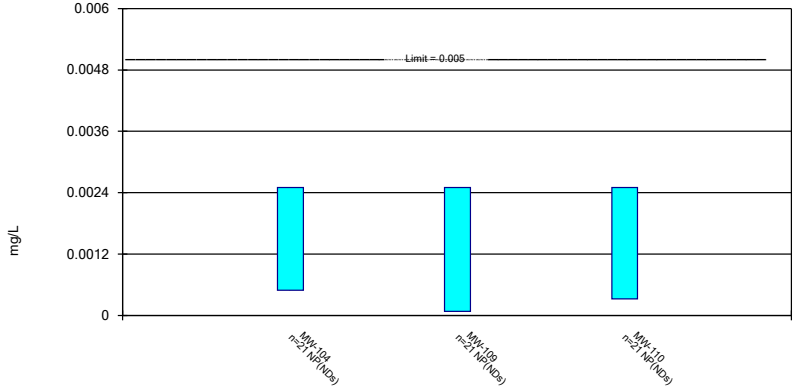


Constituent: Beryllium Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

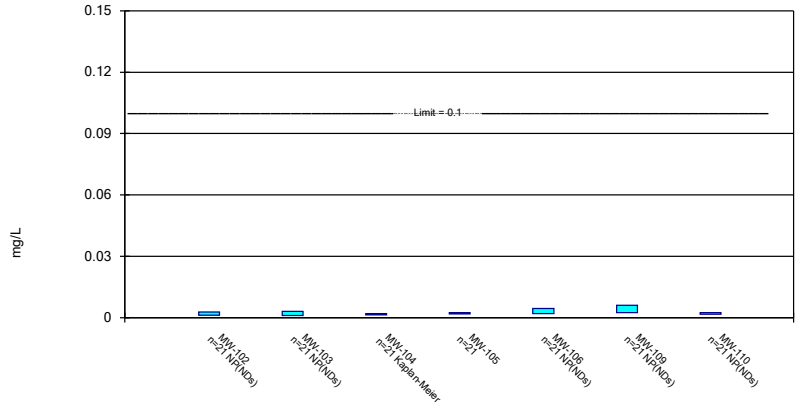


Constituent: Cadmium Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



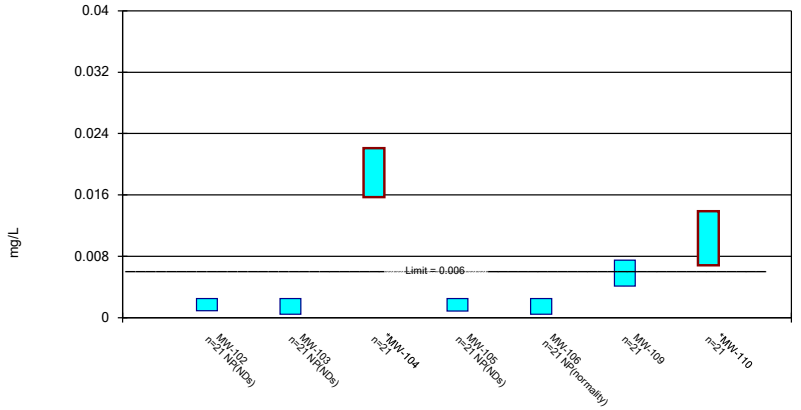
Constituent: Chromium Analysis Run 8/24/2023 9:33 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



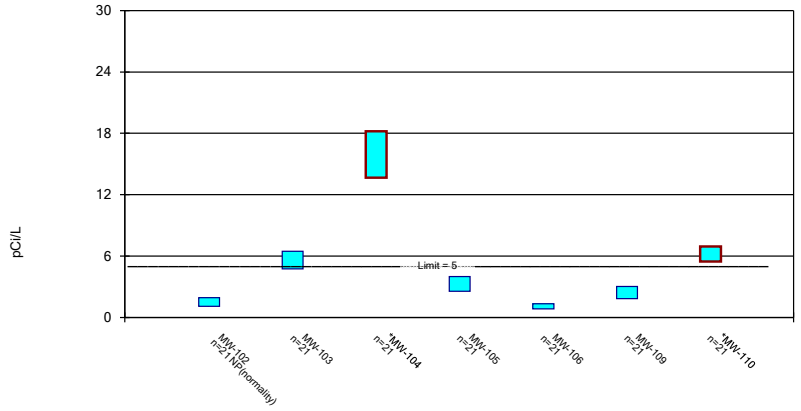
Constituent: Cobalt Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidenc

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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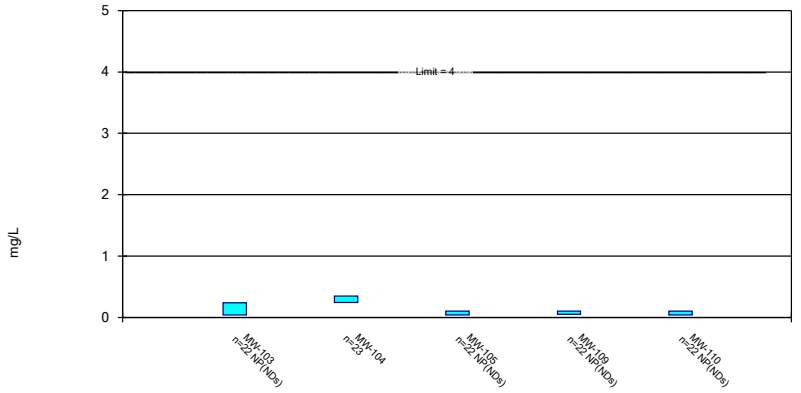
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

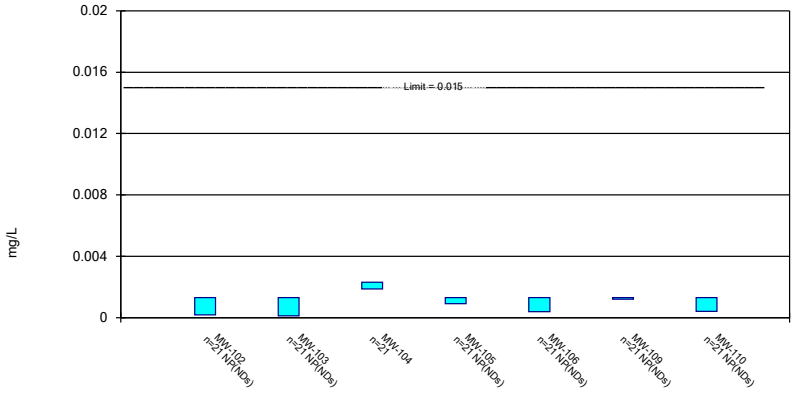


Constituent: Fluoride Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

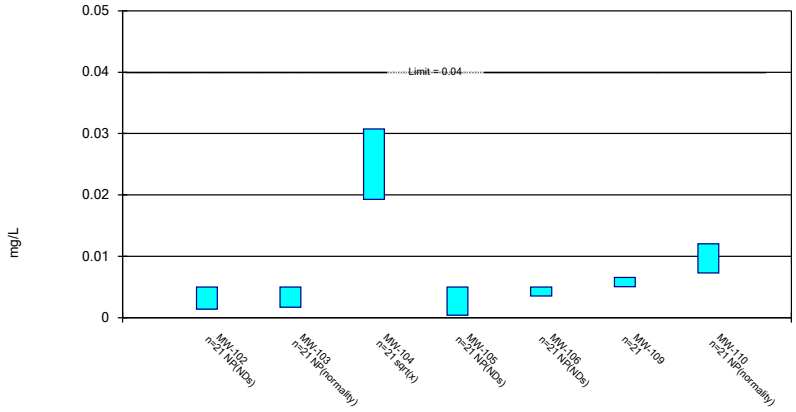


Constituent: Lead Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

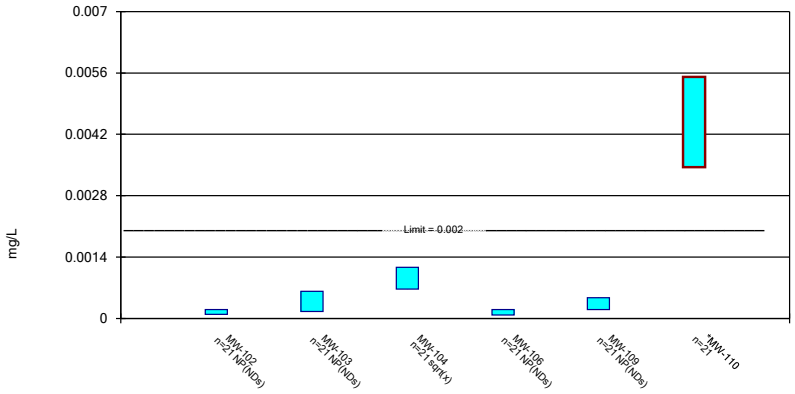


Constituent: Lithium Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

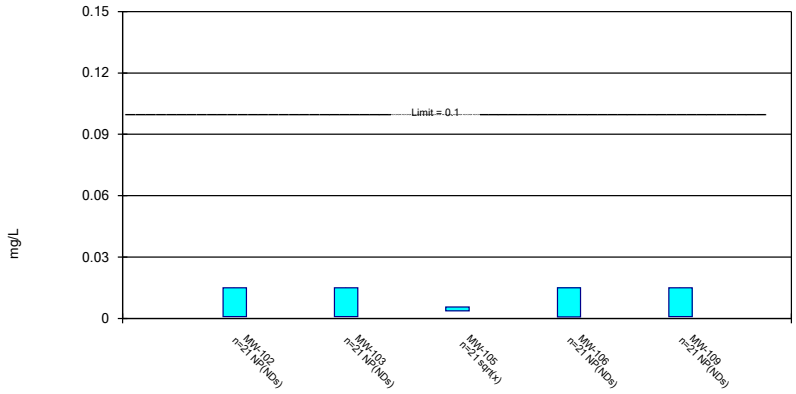


Constituent: Mercury Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

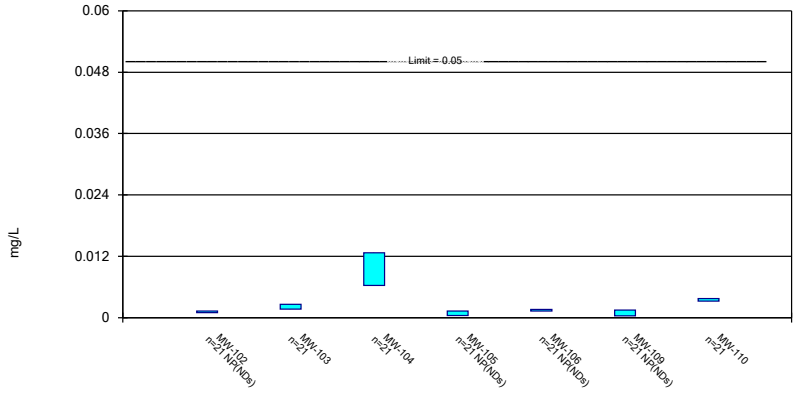
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

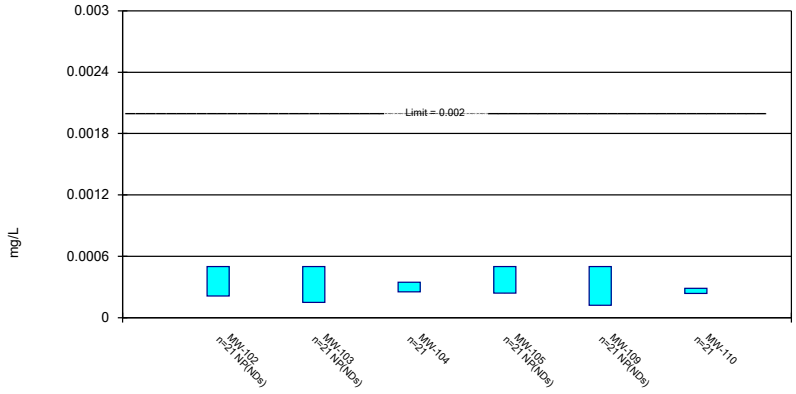


Constituent: Selenium Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 8/24/2023 9:34 AM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	<0.0013	<0.0013	0.0085	0.0039 (J)		
3/2/2016					<0.0013	<0.0013
5/5/2016	<0.0013	<0.0013	0.0077	0.0039	<0.0013	0.00061 (J)
7/7/2016	<0.0013	<0.0013	0.0082	0.0037	<0.0013	<0.0013
9/6/2016	<0.0013					
9/7/2016		<0.0013	0.012	0.0032	<0.0013	<0.0013
11/9/2016			0.0071	0.0038		
11/10/2016	0.0005 (J)	0.00051 (J)			<0.0013	0.00047 (J)
1/11/2017			0.0071	0.0035		
1/12/2017	<0.0013	<0.0013			<0.0013	<0.0013
3/14/2017			0.0067	0.0036	<0.0013	
3/15/2017	<0.0013	<0.0013				<0.0013
5/18/2017	<0.0013	<0.0013	0.0087	0.0036	<0.0013	0.00051 (J)
3/14/2018	<0.0013	<0.0013	0.0027	0.0039	<0.0013	0.00056 (J)
6/10/2018			0.0047	0.0034		
6/11/2018	<0.0013	<0.0013			<0.0013	0.0005 (J)
10/18/2018		<0.0013	0.0019	0.0044	<0.0013	<0.0013
10/19/2018	<0.0013					
3/1/2019			<0.0013	0.0047	<0.0013	<0.0013
3/2/2019	<0.0013	<0.0013				
6/3/2019	<0.0013		0.003	0.0045	<0.0013	<0.0013
6/11/2019		<0.0013				
11/7/2019		0.00019 (J)	8.9E-05 (J)		0.00025 (V)	0.0002 (J)
11/9/2019	<0.0013			0.0045		
4/17/2020		<0.0013			<0.0013	0.00012 (J)
4/18/2020	<0.0013		0.0014	0.0054		
10/8/2020	<0.0013	0.0021	0.0019	0.0046		
10/9/2020					<0.0013	<0.0013
3/30/2021	<0.0013	<0.0013		0.0082		
3/31/2021			0.00048		0.0011	<0.0013
9/3/2021			0.00084 (J)	0.0096	0.00048 (J)	0.00063 (J)
9/7/2021	<0.0013	<0.0013				
3/23/2022	<0.0013		0.0018	0.0073	<0.0013	<0.0013
3/24/2022		<0.0013				
9/8/2022					<0.0013	
9/9/2022	<0.0013	<0.0013	0.01	0.0048		<0.0013
4/7/2023			0.0065	0.004		
4/10/2023	<0.0013	<0.0013			<0.0013	<0.0013
Mean	0.001262	0.001248	0.004855	0.00469	0.001201	0.0009762
Std. Dev.	0.0001746	0.0003492	0.00363	0.001669	0.0002838	0.0004374
Upper Lim.	0.0013	0.0021	0.006858	0.0048	0.0013	0.0013
Lower Lim.	0.0005	0.00051	0.002853	0.0036	0.0011	0.00051

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	0.0081 (J)	0.055	0.017	0.043	0.016		
3/2/2016						0.022	0.058
5/4/2016					0.012		
5/5/2016	0.011	0.056	0.018	0.033		0.02	0.05
7/7/2016	0.012	0.055	0.02	0.042		0.021	0.044
7/8/2016					0.015		
9/6/2016	0.012						
9/7/2016		0.07	0.027	0.043	0.012	0.023	0.051
11/9/2016			0.022	0.046	0.01		
11/10/2016	0.0099	0.061				0.019	0.046
1/11/2017			0.03	0.042	0.01		
1/12/2017	0.0085	0.058				0.018	0.047
3/14/2017			0.02	0.038	0.0097	0.02	
3/15/2017	0.009	0.07					0.046
5/18/2017	0.0095	0.068	0.027	0.051	0.01	0.019	0.045
3/14/2018	0.0084	0.052	0.025	0.038	0.0096	0.017	0.036
6/10/2018			0.025	0.055	0.0089		
6/11/2018	0.0089	0.053				0.016	0.036
10/18/2018		0.052	0.021	0.035	0.0096	0.019	0.035
10/19/2018	0.0085						
3/1/2019			0.018	0.032	0.0095	0.018	0.036
3/2/2019	0.01	0.011					
6/3/2019	0.012		0.031	0.05	0.0098	0.017	0.04
6/11/2019		0.043					
11/7/2019		0.04	0.02			0.019	0.027
11/9/2019	0.011			0.06	0.011		
4/17/2020		0.05			0.012	0.026	0.032
4/18/2020	0.012		0.021	0.045			
10/8/2020	0.0086	0.037	0.022	0.028	0.0099		
10/9/2020						0.026	0.026
3/30/2021	0.0096	0.033		0.028	0.011		
3/31/2021			0.023			0.027	0.025
9/3/2021			0.02	0.029	0.011	0.032	0.036
9/7/2021	0.0095	0.03					
3/23/2022	0.013		0.03	0.027	0.012	0.02	0.024
3/24/2022		0.027					
9/8/2022					0.012	0.017	
9/9/2022	0.03	0.018	0.035	0.024			0.023
4/7/2023			0.026	0.033	0.011		
4/10/2023	0.011	0.033				0.016	0.022
Mean	0.01107	0.04629	0.02371	0.03914	0.01105	0.02057	0.03738
Std. Dev.	0.004579	0.01657	0.00488	0.009866	0.001787	0.004142	0.01043
Upper Lim.	0.012	0.05543	0.02641	0.04459	0.01186	0.02262	0.04313
Lower Lim.	0.0086	0.03714	0.02102	0.0337	0.01006	0.01827	0.03163

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-104	MW-109	MW-110
3/1/2016	<0.0025	0.0013 (J)		
3/2/2016			<0.0025	<0.0025
5/5/2016	<0.0025	0.00088 (J)	<0.0025	<0.0025
7/7/2016	<0.0025	0.001 (J)	<0.0025	<0.0025
9/6/2016	<0.0025			
9/7/2016		0.00078 (J)	<0.0025	<0.0025
11/9/2016		0.0012 (J)		
11/10/2016	<0.0025		<0.0025	<0.0025
1/11/2017		0.0014 (J)		
1/12/2017	<0.0025		<0.0025	<0.0025
3/14/2017		0.0013 (J)	<0.0025	
3/15/2017	<0.0025			<0.0025
5/18/2017	<0.0025	0.0016 (J)	<0.0025	<0.0025
3/14/2018	<0.0025	0.0011 (J)	<0.0025	<0.0025
6/10/2018		0.0011 (J)		
6/11/2018	<0.0025		<0.0025	<0.0025
10/18/2018		0.00084 (J)	<0.0025	<0.0025
10/19/2018	<0.0025			
3/1/2019		0.00057 (J)	<0.0025	<0.0025
3/2/2019	<0.0025			
6/3/2019	<0.0025	0.00074 (J)	<0.0025	<0.0025
11/7/2019		0.00065	<0.0025	8.4E-05 (J)
11/9/2019	<0.0025			
4/17/2020			4.4E-05 (J)	0.00013 (J)
4/18/2020	0.00011 (J)	0.00096		
10/8/2020	<0.0025	0.00039 (J)		
10/9/2020			<0.0025	<0.0025
3/30/2021	<0.0025			
3/31/2021		0.0007	<0.0025	<0.0025
9/3/2021		0.00076 (J)	<0.0025	<0.0025
9/7/2021	<0.0025			
3/23/2022	<0.0025	<0.0025	<0.0025	<0.0025
9/8/2022			<0.0025	
9/9/2022	<0.0025	<0.0025		<0.0025
4/7/2023		<0.0025		
4/10/2023	<0.0025		<0.0025	<0.0025
Mean	0.002386	0.001001	0.002383	0.002272
Std. Dev.	0.0005215	0.0003108	0.0005359	0.0007198
Upper Lim.	0.0025	0.001172	0.0025	0.0025
Lower Lim.	0.00011	0.0008295	4.4E-05	0.00013

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

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-104	MW-109	MW-110
3/1/2016	<0.0025		
3/2/2016		<0.0025	<0.0025
5/5/2016	<0.0025	<0.0025	<0.0025
7/7/2016	<0.0025	<0.0025	<0.0025
9/7/2016	<0.0025	<0.0025	<0.0025
11/9/2016	<0.0025		
11/10/2016		<0.0025	<0.0025
1/11/2017	0.00049 (J)		
1/12/2017		<0.0025	<0.0025
3/14/2017	<0.0025	<0.0025	
3/15/2017			<0.0025
5/18/2017	<0.0025	<0.0025	<0.0025
3/14/2018	0.00052 (J)	<0.0025	<0.0025
6/10/2018	0.00049 (J)		
6/11/2018		<0.0025	<0.0025
10/18/2018	0.00044 (J)	<0.0025	<0.0025
3/1/2019	0.00038 (J)	<0.0025	<0.0025
6/3/2019	0.0006 (J)	<0.0025	<0.0025
11/7/2019	0.00075	7.8E-05 (J)	0.00032 (J)
4/17/2020		<0.0025	0.00011 (J)
4/18/2020	0.00037 (J)		
10/8/2020	<0.0025		
10/9/2020		<0.0025	<0.0025
3/31/2021	0.00056	<0.0025	<0.0025
9/3/2021	0.00061 (J)	<0.0025	<0.0025
3/23/2022	<0.0025	<0.0025	<0.0025
9/8/2022		<0.0025	
9/9/2022	<0.0025		<0.0025
4/7/2023	<0.0025		
4/10/2023		<0.0025	<0.0025
Mean	0.001558	0.002385	0.002282
Std. Dev.	0.001016	0.0005285	0.0006881
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	0.00049	7.8E-05	0.00032

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0025	<0.0025	<0.0025	0.0023 (J)	<0.0025		
3/2/2016						<0.0025	<0.0025
5/4/2016					<0.0025		
5/5/2016	<0.0025	<0.0025	0.0014 (J)	<0.0025		<0.0025	<0.0025
7/7/2016	<0.0025	<0.0025	0.0014 (J)	0.002 (J)		<0.0025	<0.0025
7/8/2016					<0.0025		
9/6/2016	<0.0025						
9/7/2016		<0.0025	0.0019 (J)	0.0029	<0.0025	<0.0025	<0.0025
11/9/2016			0.0023 (J)	0.0025	<0.0025		
11/10/2016	<0.0025	<0.0025				<0.0025	<0.0025
1/11/2017			0.0024 (J)	0.002 (J)	<0.0025		
1/12/2017	<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017			0.0023 (J)	0.0025	<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025					<0.0025
5/18/2017	<0.0025	<0.0025	0.0023 (J)	0.002 (J)	<0.0025	<0.0025	<0.0025
3/14/2018	<0.0025	<0.0025	0.0023 (J)	0.0022 (J)	<0.0025	<0.0025	<0.0025
6/10/2018			0.0022 (J)	0.002 (J)	<0.0025		
6/11/2018	<0.0025	<0.0025				<0.0025	<0.0025
10/18/2018		<0.0025	0.0016 (J)	0.0029	<0.0025	<0.0025	<0.0025
10/19/2018	<0.0025						
3/1/2019			<0.0025	0.0026	<0.0025	<0.0025	<0.0025
3/2/2019	0.0028	0.0052					
6/3/2019	<0.0025		0.0015 (J)	0.0022 (J)	<0.0025	<0.0025	<0.0025
6/11/2019		0.0011 (J)					
11/7/2019		0.00028 (J)	<0.0025			<0.0025	0.00042 (J)
11/9/2019	0.00037 (J)			0.0022 (J)	<0.0025		
4/17/2020		0.00026 (J)			<0.0025	<0.0025	0.0004 (J)
4/18/2020	<0.0025		0.0016	0.0029			
10/8/2020	<0.0025	<0.0025	0.0031	0.0028	0.0019 (J)		
10/9/2020						<0.0025	0.0016 (J)
3/30/2021	<0.0025	<0.0025		0.0015	<0.0025		
3/31/2021			<0.0025			0.016	<0.0025
9/3/2021			0.0025	0.0011 (J)	<0.0025	<0.0025	<0.0025
9/7/2021	0.0012 (J)	0.0088					
3/23/2022	0.0063		0.001 (J)	0.00073	0.0044	0.0061	0.0025
3/24/2022		0.003					
9/8/2022					<0.0025	<0.0025	
9/9/2022	<0.0025	<0.0025	<0.0025	0.002 (J)			<0.0025
4/7/2023			<0.0025	0.0024 (J)	<0.0025		
4/10/2023	<0.0025	<0.0025				<0.0025	<0.0025
Mean	0.002532	0.002673	0.002133	0.002142	0.002562	0.003314	0.002258
Std. Dev.	0.001018	0.00171	0.0005219	0.0005963	0.000441	0.003011	0.0006449
Upper Lim.	0.0028	0.003	0.002007	0.002471	0.0044	0.0061	0.0025
Lower Lim.	0.0012	0.0011	0.001336	0.001813	0.0019	0.0025	0.0016

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)		
3/2/2016						0.00075 (J)	0.0047 (J)
5/4/2016					0.001 (J)		
5/5/2016	<0.0025	0.00064 (J)	0.012	<0.0025		0.0042	0.0047
7/7/2016	<0.0025	<0.0025	0.012	<0.0025		0.0043	0.0041
7/8/2016					0.00057 (J)		
9/6/2016	<0.0025						
9/7/2016		0.00044 (J)	0.018	<0.0025	0.00061 (J)	0.0049	0.0047
11/9/2016			0.022	<0.0025	0.00055 (J)		
11/10/2016	<0.0025	<0.0025				0.004	0.0043
1/11/2017			0.025	<0.0025	0.00045 (J)		
1/12/2017	<0.0025	<0.0025				0.0045	0.0048
3/14/2017			0.019	<0.0025	0.00059 (J)	0.0039	
3/15/2017	<0.0025	<0.0025					0.0066
5/18/2017	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)	0.005	0.0065
3/14/2018	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)	0.0038	0.012
6/10/2018			0.029	<0.0025	0.0004 (J)		
6/11/2018	<0.0025	<0.0025				0.0044	0.0096
10/18/2018		<0.0025	0.016	<0.0025	<0.0025	0.0036	0.025
10/19/2018	<0.0025						
3/1/2019			0.009	<0.0025	<0.0025	0.0052	0.02
3/2/2019	<0.0025	0.00041 (J)					
6/3/2019	<0.0025		0.015	<0.0025	<0.0025	0.0071	0.0053
6/11/2019		<0.0025					
11/7/2019		0.00015 (J)	0.022			0.0085	0.019
11/9/2019	0.00016 (J)			0.00087 (J)	0.00036 (J)		
4/17/2020		0.00021 (J)			0.00036 (J)	0.0089	0.013
4/18/2020	0.00023 (J)		0.013	0.00037 (J)			
10/8/2020	<0.0025	<0.0025	0.017	<0.0025	<0.0025		
10/9/2020						0.0072	0.015
3/30/2021	<0.0025	<0.0025		<0.0025	<0.0025		
3/31/2021			0.018			0.0023	0.0091
9/3/2021			0.018	<0.0025	<0.0025	0.015	0.0032
9/7/2021	<0.0025	<0.0025					
3/23/2022	0.00088		0.023	0.00017 (J)	0.00099	0.0094	0.013
3/24/2022		0.00026 (J)					
9/8/2022					<0.0025	0.0077	
9/9/2022	<0.0025	<0.0025	0.032	<0.0025			0.019
4/7/2023			0.023	<0.0025	0.00056 (J)		
4/10/2023	<0.0025	<0.0025				0.007	0.014
Mean	0.002203	0.001815	0.0189	0.00221	0.001222	0.005793	0.01036
Std. Dev.	0.0007551	0.001006	0.00577	0.0007368	0.0009398	0.003057	0.006399
Upper Lim.	0.0025	0.0025	0.02209	0.0025	0.0025	0.007479	0.01389
Lower Lim.	0.00088	0.00044	0.01572	0.00087	0.00045	0.004106	0.006832

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

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	0.996	5.24	11.8	4.21	0.872		
3/2/2016						2.39	7.8
5/4/2016					<5		
5/5/2016	2.82	4.13	9.43	2.24		1.54	5.51
7/7/2016	1.58	7.01	13.8	3.28		2.17	7.65
7/8/2016					1.02		
9/6/2016	1.46						
9/7/2016		7.94	13.7	2.83	0.826	2.24	5.9
11/9/2016			16.9	4.28	1.17		
11/10/2016	1.92	7				2.69	5.04
1/11/2017			24.9	4.62	0.924		
1/12/2017	1.48	7.87				1.81	9.04
3/14/2017			15.5	2.28	0.889	1.74	
3/15/2017	1.41	7.1					6.46
5/18/2017	1.23	7.26	19.8	3	0.338	1.7	8.31
3/14/2018	1.64	7.02	13.1	2.82	0.789	1.99	7.06
6/10/2018			19.1	6.2	0.852		
6/11/2018	1.51	5.54				1.59	7.06
10/18/2018		5.59	12.1	2.89	1.05	1.77	7.22
10/19/2018	1						
3/1/2019			10.4	2.89	1.01	1.51	5.59
3/2/2019	1.5	1.69					
6/3/2019	2.67		19.1	4.84	1.33	0.42 (U)	4.73
6/11/2019		5.8					
11/7/2019		4.83	20.8			3.07	5.46
11/9/2019	1.31			6.06	0.663		
4/17/2020		5.33			0.604	2.45	4.26
4/18/2020	0.931		13.8	2.03			
10/8/2020	1.08	5.59	13.6	2.03	1.49		
10/9/2020						4	5.63
3/30/2021	1.46	5.05		3.57	1.8		
3/31/2021			21			3.92	5.69
9/3/2021			15.1	1.87	0.866	5.26	4.72
9/7/2021	1.47	4.59					
3/23/2022	2.18		16.5	1.79	1.17	3.57	6.71
3/24/2022		4.52					
9/8/2022					1.49	2.78	
9/9/2022	5.92	3.16	21.2	2.04			6.33
4/7/2023			13	3.09	0.94		
4/10/2023	1.03	5.3				2.34	4.17
Mean	1.743	5.598	15.93	3.279	1.076	2.426	6.207
Std. Dev.	1.082	1.556	4.096	1.308	0.4626	1.075	1.336
Upper Lim.	1.92	6.456	18.19	4.001	1.331	3.019	6.944
Lower Lim.	1.08	4.74	13.68	2.557	0.8206	1.833	5.47

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

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	0.037 (J)	0.46	0.041 (J)		
3/2/2016				<0.1	0.039 (J)
5/5/2016	<0.1	0.27	<0.1	<0.1	<0.1
7/7/2016	<0.1	0.29	<0.1	<0.1	<0.1
9/7/2016	<0.1	0.33	<0.1	<0.1	<0.1
11/9/2016		0.29	<0.1		
11/10/2016	<0.1			<0.1	<0.1
1/11/2017		0.42	<0.1		
1/12/2017	<0.1			<0.1	<0.1
3/14/2017		0.34	<0.1	<0.1	
3/15/2017	<0.1				<0.1
5/18/2017	<0.1	0.47	<0.1	<0.1	<0.1
10/5/2017		0.22	<0.1	<0.1	
10/6/2017	<0.1				<0.1
12/19/2017		0.26 (R)			
3/14/2018	<0.1	0.3	<0.1	<0.1	<0.1
6/10/2018		0.38	<0.1		
6/11/2018	<0.1			<0.1	0.04 (J)
10/18/2018	<0.1	0.26	0.04 (J)	<0.1	0.04 (J)
3/1/2019		0.1	<0.1	<0.1	<0.1
3/2/2019	<0.1				
6/3/2019		0.22	0.04 (J)	<0.1	0.04 (J)
6/11/2019	<0.1				
11/7/2019	<0.1	0.21		<0.1	0.04 (J)
11/9/2019			<0.1		
4/17/2020	<0.1			<0.1	0.04 (J)
4/18/2020		0.3	0.04 (J)		
10/8/2020	0.24	0.26	0.04 (J)		
10/9/2020				<0.1	<0.1
3/30/2021	<0.1		0.04		
3/31/2021		0.34		<0.1	0.04
9/3/2021		0.41	0.07 (J)	0.05 (J)	0.07 (J)
9/7/2021	<0.1				
3/23/2022		0.3	<0.1	<0.1	<0.1
3/24/2022	<0.1				
9/8/2022				<0.1	
9/9/2022	<0.1	<0.1	<0.1		<0.1
4/7/2023		0.31	<0.1		
4/10/2023	<0.1			<0.1	<0.1
Mean	0.1035	0.2952	0.08232	0.09773	0.0795
Std. Dev.	0.03331	0.1001	0.02717	0.01066	0.02843
Upper Lim.	0.24	0.3476	0.1	0.1	0.1
Lower Lim.	0.037	0.2429	0.041	0.05	0.04

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0013	<0.0013	0.0018 (J)	<0.0013	<0.0013		
3/2/2016						<0.0013	<0.0013
5/4/2016					<0.0013		
5/5/2016	<0.0013	<0.0013	0.0015	<0.0013		<0.0013	<0.0013
7/7/2016	<0.0013	<0.0013	0.0018	<0.0013		<0.0013	<0.0013
7/8/2016					<0.0013		
9/6/2016	<0.0013						
9/7/2016		<0.0013	0.0024	<0.0013	<0.0013	<0.0013	<0.0013
11/9/2016			0.0023	<0.0013	<0.0013		
11/10/2016	<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017			0.0027	<0.0013	<0.0013		
1/12/2017	<0.0013	<0.0013				<0.0013	<0.0013
3/14/2017			0.0024	<0.0013	<0.0013	<0.0013	
3/15/2017	<0.0013	<0.0013					<0.0013
5/18/2017	<0.0013	<0.0013	0.0029	<0.0013	<0.0013	<0.0013	<0.0013
3/14/2018	<0.0013	<0.0013	0.0023	<0.0013	<0.0013	<0.0013	<0.0013
6/10/2018			0.0024	<0.0013	<0.0013		
6/11/2018	<0.0013	<0.0013				<0.0013	<0.0013
10/18/2018		<0.0013	0.002	<0.0013	0.00039 (J)	<0.0013	<0.0013
10/19/2018	<0.0013						
3/1/2019			0.0012 (J)	<0.0013	<0.0013	<0.0013	<0.0013
3/2/2019	<0.0013	<0.0013					
6/3/2019	<0.0013		0.0018	0.00091 (J)	<0.0013	0.00067 (J)	0.00037 (J)
6/11/2019		<0.0013					
11/7/2019		0.00011 (J)	0.002			9.4E-05 (J)	0.0003 (J)
11/9/2019	0.00014 (J)			0.00012 (J)	<0.0013		
4/17/2020		<0.0013			<0.0013	0.00011 (J)	0.00033
4/18/2020	0.00018 (J)		0.0024	<0.0013			
10/8/2020	<0.0013	<0.0013	0.0019	<0.0013	<0.0013		
10/9/2020						0.0012 (J)	0.0003 (J)
3/30/2021	<0.0013	<0.0013		<0.0013	<0.0013		
3/31/2021			0.0022			<0.0013	0.0004
9/3/2021			0.002	<0.0013	<0.0013	<0.0013	<0.0013
9/7/2021	<0.0013	<0.0013					
3/23/2022	<0.0013		0.0018	<0.0013	<0.0013	<0.0013	<0.0013
3/24/2022		<0.0013					
9/8/2022					<0.0013	<0.0013	
9/9/2022	<0.0013	<0.0013	0.0021	<0.0013			<0.0013
4/7/2023			0.002	<0.0013	<0.0013		
4/10/2023	<0.0013	<0.0013				<0.0013	<0.0013
Mean	0.001191	0.001243	0.00209	0.001225	0.001257	0.001151	0.001071
Std. Dev.	0.000343	0.0002597	0.000391	0.0002671	0.0001986	0.000375	0.0004194
Upper Lim.	0.0013	0.0013	0.002306	0.0013	0.0013	0.0013	0.0013
Lower Lim.	0.00018	0.00011	0.001875	0.00091	0.00039	0.0012	0.0004

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.005	<0.005	0.057	<0.005	<0.005		
3/2/2016						0.0095 (J)	0.0082 (J)
5/4/2016					<0.005		
5/5/2016	<0.005	<0.005	0.044	<0.005		0.0059	0.0072
7/7/2016	<0.005	<0.005	0.04	<0.005		0.006	0.0092
7/8/2016					<0.005		
9/6/2016	<0.005						
9/7/2016		<0.005	0.033	<0.005	0.0073	0.0049 (J)	0.0069
11/9/2016			0.035	<0.005	<0.005		
11/10/2016	<0.005	<0.005				0.0055	0.0045 (J)
1/11/2017			0.028	<0.005	<0.005		
1/12/2017	<0.005	<0.005				0.0045 (J)	0.0073
3/14/2017			0.037	<0.005	0.0035 (J)	0.0069	
3/15/2017	<0.005	0.0038 (J)					0.012
5/18/2017	<0.005	<0.005	0.024	<0.005	<0.005	0.0055	0.0084
3/14/2018	<0.005	0.002 (J)	0.028	<0.005	<0.005	0.0059	0.012
6/10/2018			0.019	<0.005	<0.005		
6/11/2018	<0.005	0.0015 (J)				0.0042 (J)	0.009
10/18/2018		0.0017 (J)	0.022	<0.005	0.0012 (J)	0.0062	0.011
10/19/2018	0.0012 (J)						
3/1/2019			0.017	<0.005	0.0012 (J)	0.0054	0.0077
3/2/2019	0.0014 (J)	0.0011 (J)					
6/3/2019	<0.005		0.017	<0.005	<0.005	0.0054	0.0082
6/11/2019		0.0025 (J)					
11/7/2019		0.00097 (J)	0.019			0.0052	0.014
11/9/2019	0.0009 (J)			<0.005	0.00068 (J)		
4/17/2020		0.0021			0.00043 (J)	0.0076	0.0092
4/18/2020	<0.005		0.017	0.00039 (J)			
10/8/2020	<0.005	<0.005	0.017	<0.005	<0.005		
10/9/2020						0.0053	0.011
3/30/2021	<0.005	0.002		<0.005	<0.005		
3/31/2021			0.015			0.0059	0.017
9/3/2021			0.021	<0.005	<0.005	0.0067	0.092
9/7/2021	<0.005	0.0027 (J)					
3/23/2022	<0.005		0.02	<0.005	<0.005	0.0062	0.011
3/24/2022		0.00099 (J)					
9/8/2022					<0.005	<0.005	
9/9/2022	<0.005	<0.005	0.015	<0.005			0.006
4/7/2023			0.015	<0.005	<0.005		
4/10/2023	<0.005	<0.005				0.0066	0.0077
Mean	0.004452	0.003398	0.02571	0.00478	0.004253	0.0058	0.01331
Std. Dev.	0.001377	0.001676	0.01141	0.001006	0.001792	0.001361	0.01825
Upper Lim.	0.005	0.005	0.03074	0.005	0.005	0.006551	0.012
Lower Lim.	0.0014	0.0017	0.01927	0.00039	0.0035	0.005049	0.0073

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-106	MW-109	MW-110
3/1/2016	<0.0002	<0.0002	0.00089	<0.0002		
3/2/2016					<0.0002	0.007
5/4/2016				<0.0002		
5/5/2016	<0.0002	<0.0002	0.00054		<0.0002	0.006
7/7/2016	<0.0002	<0.0002 (*)	0.00066 (V)		<0.0002 (*)	0.0053
7/8/2016				<0.0002 (*)		
9/6/2016	<0.0002					
9/7/2016		<0.0002	0.0016	<0.0002	<0.0002	0.0067
11/9/2016			0.0015	<0.0002		
11/10/2016	<0.0002	<0.0002			<0.0002	0.00014 (J)
1/11/2017			0.0025	<0.0002		
1/12/2017	<0.0002	<0.0002			<0.0002	0.0052
3/14/2017			0.0012	<0.0002	<0.0002	
3/15/2017	<0.0002	<0.0002 (*)				0.0048
5/18/2017	<0.0002	<0.0002	0.0014	<0.0002	<0.0002	0.0074
3/14/2018	9.4E-05 (J)	0.00012 (J)	0.0011	8E-05 (J)	9.7E-05 (J)	0.0059
6/10/2018			0.0014	<0.0002		
6/11/2018	<0.0002	<0.0002			<0.0002	0.0042
10/18/2018		<0.0002	0.00087	<0.0002	<0.0002	0.0034
10/19/2018	9.4E-05 (J)					
3/1/2019			0.00077	<0.0002	<0.0002	0.0041
3/2/2019	<0.0002	<0.0002				
6/3/2019	<0.0002		0.00054	<0.0002	<0.0002	0.0025
6/11/2019		<0.0002				
11/7/2019		<0.0002	0.00053		0.0012	0.0034
11/9/2019	<0.0002			<0.0002		
4/17/2020		0.00062		<0.0002	0.0032	0.0063
4/18/2020	<0.0002		0.00069			
10/8/2020	<0.0002	0.00016 (J)	0.00087	<0.0002		
10/9/2020					0.0014	0.0049
3/30/2021	<0.0002	<0.0002		<0.0002		
3/31/2021			0.00072		0.00035	0.0055
9/3/2021			0.00048	<0.0002	0.0012	0.0012
9/7/2021	<0.0002	<0.0002				
3/23/2022	<0.0002		0.00032	<0.0002	0.00047	0.0034
3/24/2022		<0.0002				
9/8/2022				<0.0002	0.00041	
9/9/2022	<0.0002	<0.0002	0.00082			0.0036
4/7/2023			0.00064	<0.0002		
4/10/2023	<0.0002	<0.0002			<0.0002	0.0032
Mean	0.0001899	0.0002143	0.0009543	0.0001943	0.0005203	0.004483
Std. Dev.	3.188E-05	9.49E-05	0.0005057	2.619E-05	0.0007223	0.001866
Upper Lim.	0.0002	0.00062	0.001167	0.0002	0.00047	0.005512
Lower Lim.	9.4E-05	0.00016	0.0006672	8E-05	0.0002	0.003454

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-105	MW-106	MW-109
3/1/2016	<0.015	<0.015	0.004 (J)	<0.015	
3/2/2016					<0.015
5/4/2016				<0.015	
5/5/2016	<0.015	<0.015	0.0093 (J)		<0.015
7/7/2016	<0.015	<0.015	0.0047 (J)		<0.015
7/8/2016				<0.015	
9/6/2016	<0.015				
9/7/2016		<0.015	0.004 (J)	<0.015	<0.015
11/9/2016			0.0037 (J)	<0.015	
11/10/2016	<0.015	<0.015			<0.015
1/11/2017			0.0052 (J)	<0.015	
1/12/2017	<0.015	<0.015			<0.015
3/14/2017			0.004 (J)	<0.015	<0.015
3/15/2017	<0.015	<0.015			
5/18/2017	<0.015	<0.015	0.0043 (J)	<0.015	<0.015
3/14/2018	<0.015	<0.015	0.0054 (J)	<0.015	<0.015
6/10/2018			0.0035 (J)	<0.015	
6/11/2018	<0.015	<0.015			<0.015
10/18/2018		<0.015	0.0032 (J)	<0.015	<0.015
10/19/2018	<0.015				
3/1/2019			0.0047 (J)	<0.015	<0.015
3/2/2019	<0.015	<0.015			
6/3/2019	<0.015		0.0033 (J)	<0.015	<0.015
6/11/2019		<0.015			
11/7/2019		<0.015			<0.015
11/9/2019	<0.015		0.0025 (J)	<0.015	
4/17/2020		<0.015		<0.015	<0.015
4/18/2020	<0.015		0.003		
10/8/2020	<0.015	<0.015	<0.015	<0.015	
10/9/2020					<0.015
3/30/2021	<0.015	<0.015	0.005	<0.015	
3/31/2021					<0.015
9/3/2021			0.0057 (J)	<0.015	<0.015
9/7/2021	<0.015	<0.015			
3/23/2022	0.00091 (J)		0.0089	0.00068 (J)	0.0009 (J)
3/24/2022		0.00092 (J)			
9/8/2022				<0.015	<0.015
9/9/2022	<0.015	<0.015	0.0044 (J)		
4/7/2023			0.0027 (J)	<0.015	
4/10/2023	<0.015	<0.015			<0.015
Mean	0.01433	0.01433	0.004714	0.01432	0.01433
Std. Dev.	0.003075	0.003073	0.001852	0.003125	0.003077
Upper Lim.	0.015	0.015	0.005549	0.015	0.015
Lower Lim.	0.00091	0.00092	0.003675	0.00068	0.0009

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0013	0.0028 (J)	0.0054 (J)	<0.0013	<0.0013		
3/2/2016						<0.0013	0.0025 (J)
5/4/2016					<0.0013		
5/5/2016	0.00029 (J)	0.0026	0.0038	0.0003 (J)		<0.0013	0.0033
7/7/2016	<0.0013 (*)	0.0025	0.0043	<0.0013		<0.0013	0.0031
7/8/2016					<0.0013		
9/6/2016	<0.0013						
9/7/2016		0.0031	0.0099	0.00026 (J)	<0.0013	<0.0013	0.0034
11/9/2016			0.012	0.00038 (J)	<0.0013		
11/10/2016	<0.0013	0.0028				<0.0013	0.0038
1/11/2017			0.022	<0.0013	<0.0013		
1/12/2017	<0.0013	0.0028				<0.0013	0.0034
3/14/2017			0.011	<0.0013	<0.0013	<0.0013	
3/15/2017	<0.0013	0.0027					0.0032
5/18/2017	<0.0013	0.0036	0.018	<0.0013	<0.0013	<0.0013	0.0034
3/14/2018	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.0013	<0.0013	0.0038
6/10/2018			0.015	0.00043 (J)	<0.0013		
6/11/2018	0.00028 (J)	0.003				<0.0013	0.0037
10/18/2018		0.0016	0.0049	<0.0013	<0.0013	<0.0013	0.0033
10/19/2018	<0.0013						
3/1/2019			0.0026	<0.0013	<0.0013	<0.0013	0.0033
3/2/2019	<0.0013	<0.0013					
6/3/2019	<0.0013		0.0039	<0.0013	<0.0013	<0.0013	0.0035
6/11/2019		0.0014					
11/7/2019		0.002	0.0085			0.00024 (J)	0.0034
11/9/2019	<0.0013			0.00041	<0.0013		
4/17/2020		0.0022			<0.0013	0.0002 (J)	0.0039
4/18/2020	0.00019 (J)		0.0084	0.0004			
10/8/2020	<0.0013	0.0014	0.0045	<0.0013	<0.0013		
10/9/2020						<0.0013	0.0031
3/30/2021	<0.0013	0.0019		<0.0013	<0.0013		
3/31/2021			0.011			<0.0013	0.0046
9/3/2021			0.0054	<0.0013	<0.0013	<0.0013	0.0035
9/7/2021	<0.0013	0.0014					
3/23/2022	0.00025		0.0067	0.00023 (J)	<0.0013	0.00035	0.0034
3/24/2022		0.0014					
9/8/2022					0.0016	0.002	
9/9/2022	0.0044	0.0012 (J)	0.02	0.0014			0.0045
4/7/2023			0.016	0.001 (J)	<0.0013		
4/10/2023	0.0011 (J)	0.00086 (J)				0.0015	0.0027
Mean	0.001224	0.002148	0.009476	0.0009386	0.001314	0.001195	0.003467
Std. Dev.	0.0008371	0.0008421	0.005766	0.0004625	6.547E-05	0.0004203	0.0004892
Upper Lim.	0.0013	0.002613	0.01266	0.0013	0.0016	0.0015	0.003737
Lower Lim.	0.001	0.001684	0.006295	0.0004	0.0013	0.00035	0.003197

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 9:37 AM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	<0.0005	<0.0005	0.00043 (J)	<0.0005		
3/2/2016					<0.0005	0.00018 (J)
5/5/2016	<0.0005	<0.0005	0.0003 (J)	<0.0005	<0.0005	0.00024 (J)
7/7/2016	<0.0005	<0.0005	0.00028 (J)	<0.0005	<0.0005	0.00025 (J)
9/6/2016	<0.0005					
9/7/2016		<0.0005	0.00028 (J)	<0.0005	<0.0005	0.00023 (J)
11/9/2016			0.0003 (J)	<0.0005		
11/10/2016	<0.0005	<0.0005			<0.0005	0.0002 (J)
1/11/2017			0.00032 (J)	<0.0005		
1/12/2017	<0.0005	<0.0005			<0.0005	0.00026 (J)
3/14/2017			0.00032 (J)	<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005				0.0003 (J)
5/18/2017	<0.0005	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.00028 (J)
3/14/2018	<0.0005	<0.0005	0.00021 (J)	<0.0005	<0.0005	0.00029 (J)
6/10/2018			0.00033 (J)	<0.0005		
6/11/2018	<0.0005	<0.0005			<0.0005	0.00029 (J)
10/18/2018		<0.0005	0.00021 (J)	<0.0005	<0.0005	0.00031 (J)
10/19/2018	<0.0005					
3/1/2019			0.00013 (J)	<0.0005	<0.0005	0.0003 (J)
3/2/2019	<0.0005	<0.0005				
6/3/2019	<0.0005		0.00016 (J)	<0.0005	<0.0005	0.0002 (J)
6/11/2019		<0.0005				
11/7/2019		2.6E-05 (J)	0.00025		<0.0005	0.00024 (J)
11/9/2019	0.00021 (J)			0.00024 (J)		
4/17/2020		<0.0005			<0.0005	0.00031
4/18/2020	<0.0005		0.00033	<0.0005		
10/8/2020	<0.0005	0.00015 (J)	0.00034 (J)	<0.0005		
10/9/2020					0.00012 (J)	0.00037 (J)
3/30/2021	<0.0005	<0.0005		<0.0005		
3/31/2021			0.00031		<0.0005	0.00028
9/3/2021			0.00037 (J)	0.00012 (J)	<0.0005	0.00022 (J)
9/7/2021	<0.0005	<0.0005				
3/23/2022	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/24/2022		<0.0005				
9/8/2022					<0.0005	
9/9/2022	<0.0005	<0.0005	0.00051	<0.0005		<0.0005
4/7/2023			<0.0005	<0.0005		
4/10/2023	<0.0005	<0.0005			<0.0005	<0.0005
Mean	0.0004862	0.0004608	0.000299	0.0004695	0.0004819	0.0002619
Std. Dev.	6.328E-05	0.0001255	8.752E-05	9.811E-05	8.292E-05	4.479E-05
Upper Lim.	0.0005	0.0005	0.0003473	0.0005	0.0005	0.0002866
Lower Lim.	0.00021	0.00015	0.0002508	0.00024	0.00012	0.0002372

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

200 Series

Appendix IV - 200 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**14.94**	**7.442**	**5**	**n/a**	**Yes**	**21**	**11.19**	**6.796**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**13.99**	**7.546**	**5**	**n/a**	**Yes**	**21**	**12.05**	**7.44**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**22.92**	**10.05**	**5**	**n/a**	**Yes**	**21**	**17.88**	**12.45**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

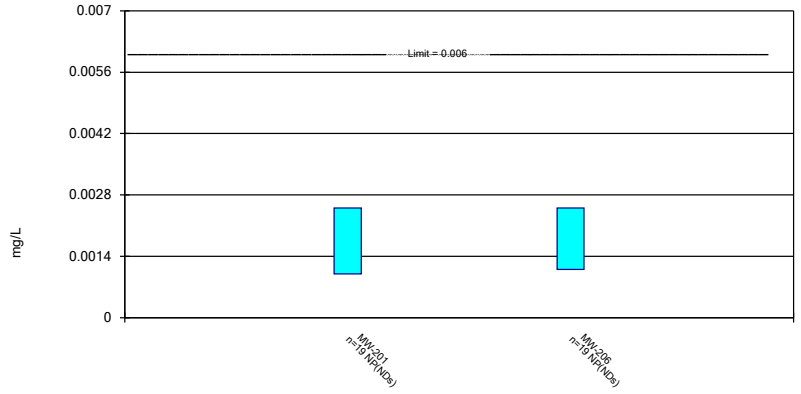
Appendix IV - 200 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 2:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	n/a	No	19	0.002342	0.000473	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	n/a	No	19	0.002426	0.0003212	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.00197	0.0006058	0.01	n/a	No	21	0.001904	0.001553	33.33	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0034	0.0009	0.01	n/a	No	21	0.00266	0.002744	52.38	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-206	0.006016	0.001553	0.01	n/a	No	21	0.005561	0.006124	19.05	Kaplan-Meier	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-200	0.05847	0.03338	2	n/a	No	21	0.04592	0.02274	4.762	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06191	0.0378	2	n/a	No	21	0.04986	0.02186	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.09526	0.05389	2	n/a	No	21	0.07458	0.0375	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	n/a	No	21	0.002383	0.0005357	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	n/a	No	21	0.002384	0.0005305	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	n/a	No	21	0.002095	0.0008605	80.95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.00061	0.0005	0.005	n/a	No	20	0.0006905	0.0005113	65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.005568	0.001848	0.005	n/a	No	21	0.005239	0.005392	4.762	None	ln(x)	0.01	Param.
Cadmium (mg/L)	MW-206	0.0026	0.00065	0.005	n/a	No	21	0.001848	0.001044	19.05	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-201	0.0025	0.002	0.1	n/a	No	18	0.002356	0.0003698	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	n/a	No	18	0.002506	0.00002357	94.44	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001355	0.0006926	0.006	n/a	No	21	0.001173	0.0007117	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-201	0.00247	0.001265	0.006	n/a	No	21	0.001974	0.00128	4.762	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.00406	0.002004	0.006	n/a	No	21	0.003032	0.001864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**14.94**	**7.442**	**5**	**n/a**	**Yes**	**21**	**11.19**	**6.796**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**13.99**	**7.546**	**5**	**n/a**	**Yes**	**21**	**12.05**	**7.44**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**22.92**	**10.05**	**5**	**n/a**	**Yes**	**21**	**17.88**	**12.45**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.06	4	n/a	No	22	0.09859	0.0644	27.27	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.6781	0.408	4	n/a	No	23	0.543	0.2583	4.348	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.07203	0.04693	4	n/a	No	23	0.07291	0.02665	17.39	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-200	0.001166	0.0005909	0.015	n/a	No	21	0.00109	0.0004661	28.57	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00057	0.015	n/a	No	21	0.001035	0.000389	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.0087	0.00076	0.015	n/a	No	21	0.004444	0.004108	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	n/a	No	21	0.004814	0.001608	80.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.0062	0.0042	0.04	n/a	No	21	0.006333	0.006751	23.81	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0029	0.04	n/a	No	21	0.004548	0.001173	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.001896	0.0007604	0.002	n/a	No	21	0.001328	0.001029	9.524	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.00117	0.0003025	0.002	n/a	No	21	0.001088	0.001041	9.524	None	ln(x)	0.01	Param.
Mercury (mg/L)	MW-206	0.00036	0.00016	0.002	n/a	No	21	0.0003252	0.0002435	42.86	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	n/a	No	19	0.01462	0.001652	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	n/a	No	19	0.01429	0.003097	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	n/a	No	19	0.01426	0.00323	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01004	0.00396	0.05	n/a	No	21	0.007738	0.005816	9.524	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.00945	0.003693	0.05	n/a	No	21	0.007279	0.005552	4.762	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01664	0.009751	0.05	n/a	No	21	0.0132	0.006248	4.762	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0005	0.00018	0.002	n/a	No	21	0.0003637	0.0001712	42.86	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-201	0.0003563	0.0001885	0.002	n/a	No	21	0.0003414	0.0001681	19.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-206	0.0006446	0.0003229	0.002	n/a	No	21	0.0005519	0.0002797	19.05	Kaplan-Meier	No	0.01	Param.

Non-Parametric Confidence Interval

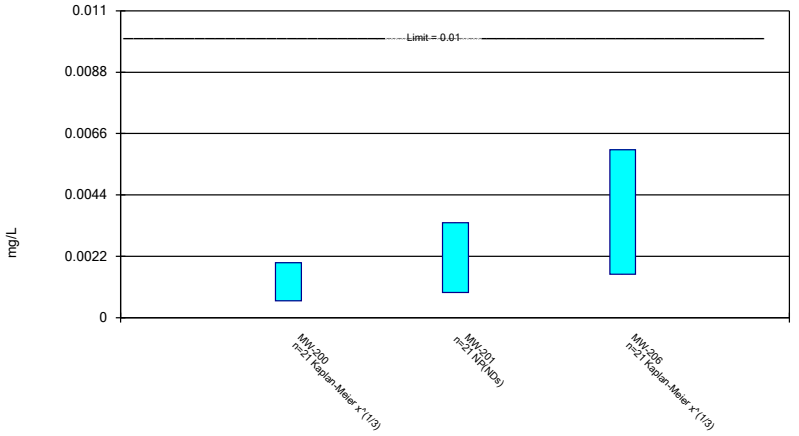
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

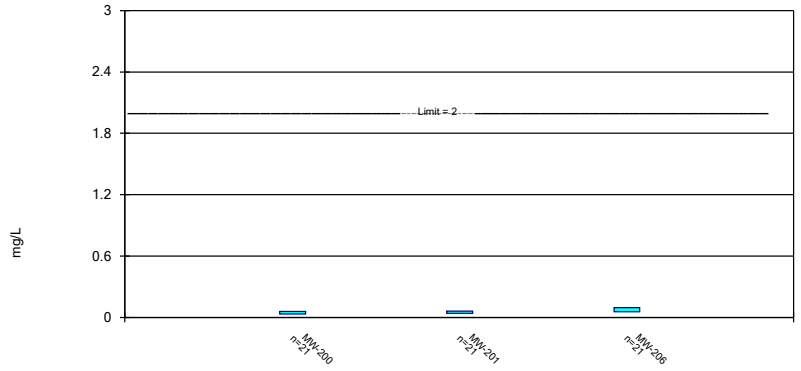
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric Confidence Interval

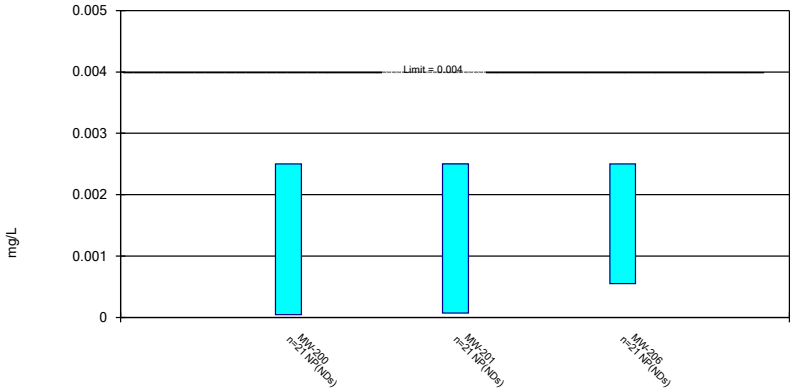
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

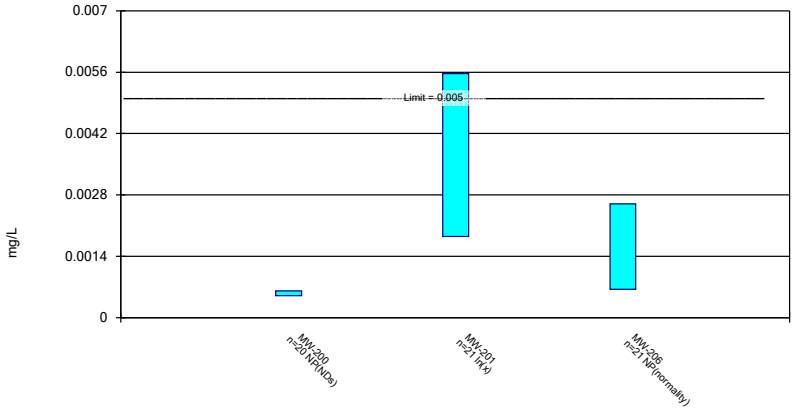


Constituent: Beryllium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



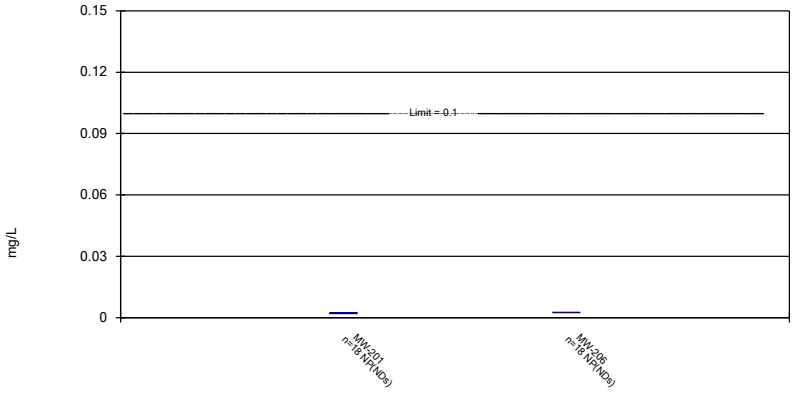
Constituent: Cadmium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



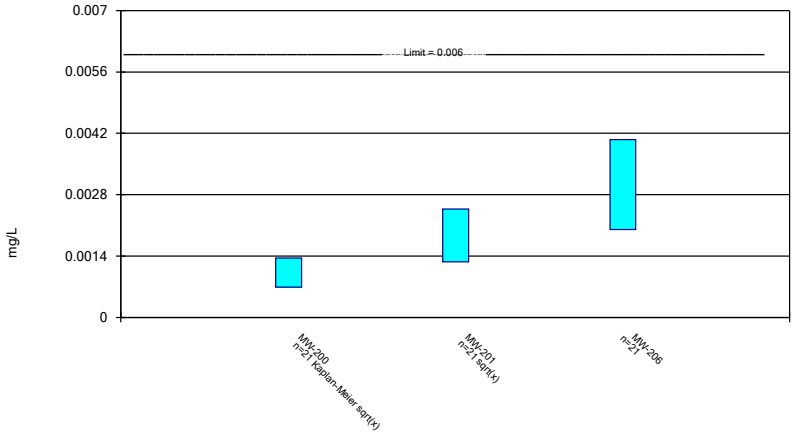
Constituent: Chromium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



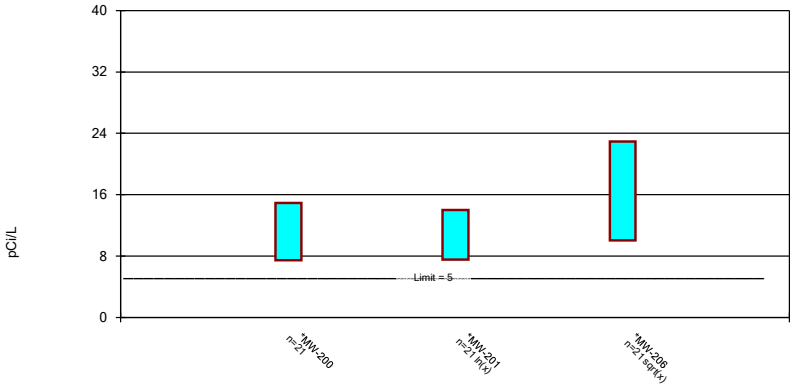
Constituent: Cobalt Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

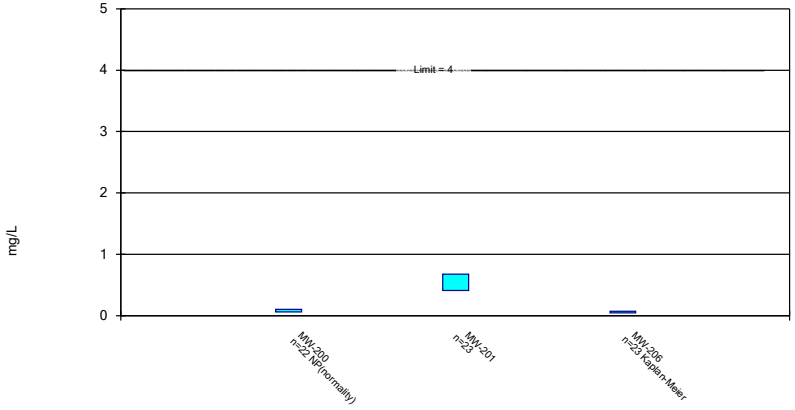


Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidenc

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

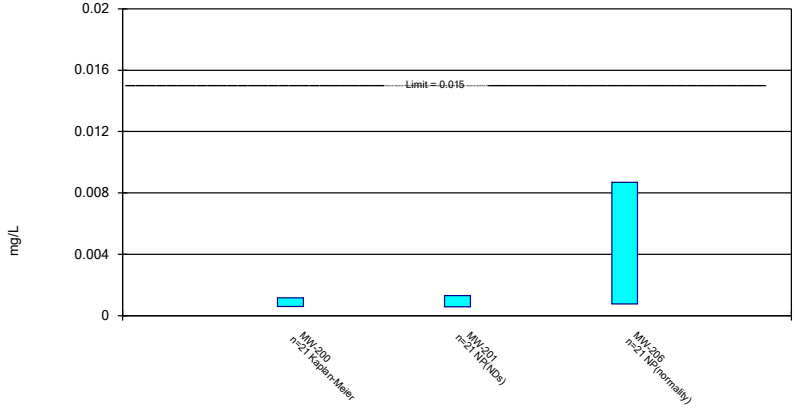
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

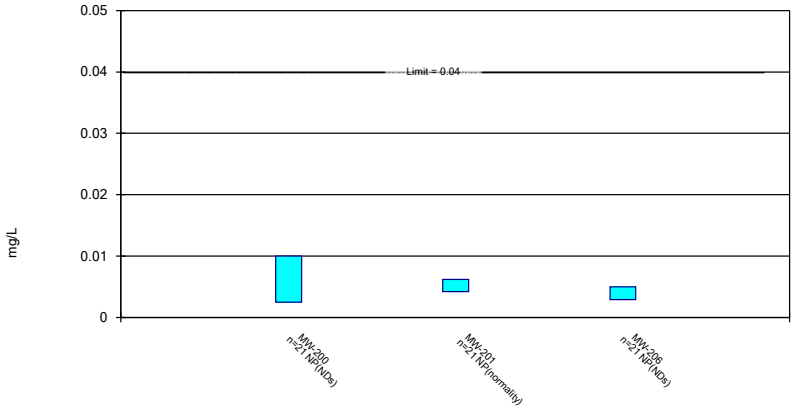
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Non-Parametric Confidence Interval

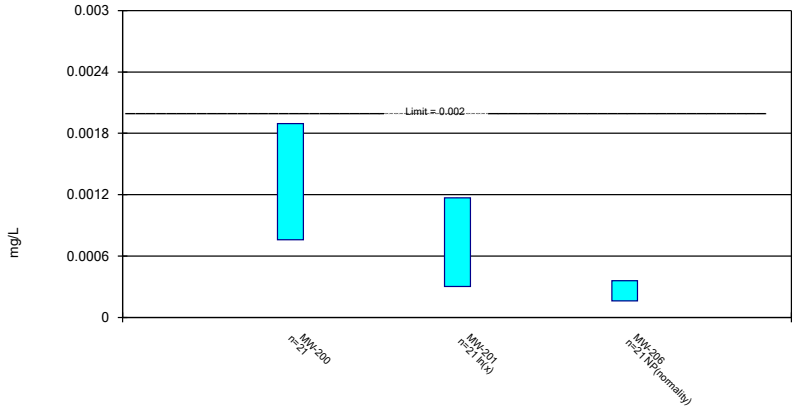
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

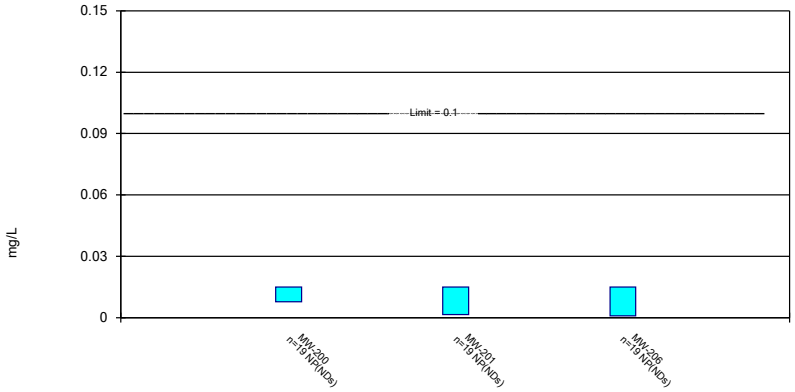
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Non-Parametric Confidence Interval

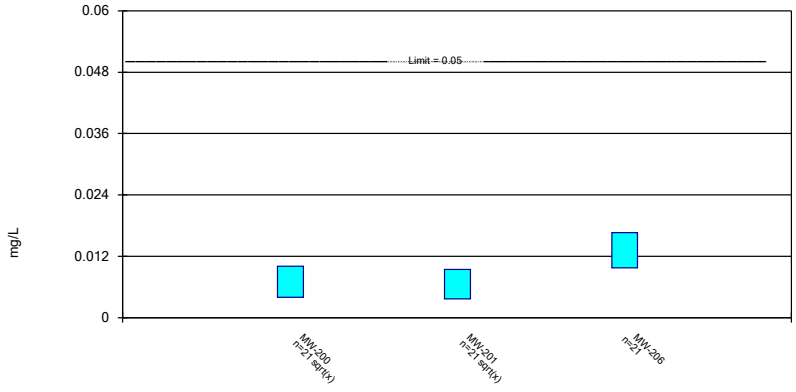
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric Confidence Interval

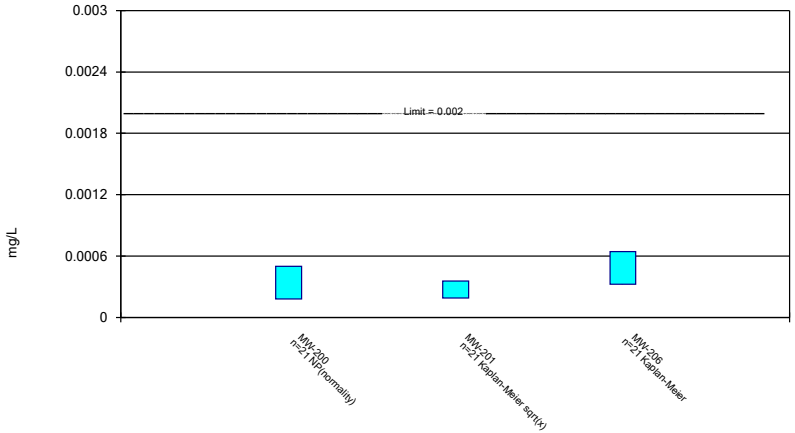
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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: Thallium Analysis Run 8/24/2023 2:01 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-206
3/2/2016	<0.0025	<0.0025
5/3/2016		<0.0025
5/4/2016	0.001 (J)	
7/5/2016		<0.0025
7/6/2016	<0.0025	
9/8/2016	<0.0025	<0.0025
11/8/2016	<0.0025	
11/9/2016		<0.0025
1/12/2017		<0.0025
1/13/2017	<0.0025	
3/16/2017	<0.0025	
3/17/2017		<0.0025
5/17/2017	<0.0025	<0.0025
3/14/2018	<0.0025	0.0011 (J)
6/8/2018		<0.0025
6/9/2018	<0.0025	
10/17/2018		<0.0025
11/14/2018	0.001 (J)	
2/28/2019		<0.0025
3/5/2019	<0.0025	
4/18/2020		<0.0025
4/22/2020	<0.0025	
10/12/2020	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025
9/8/2021	<0.0025	<0.0025
3/25/2022	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025
Mean	0.002342	0.002426
Std. Dev.	0.000473	0.0003212
Upper Lim.	0.0025	0.0025
Lower Lim.	0.001	0.0011

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

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0059 (J)	0.0033 (J)	0.021
5/3/2016	0.0038		0.016
5/4/2016		0.0068	
7/5/2016	0.0051		0.017
7/6/2016		0.01	
9/8/2016	0.0042 (J)	0.0093	0.011
11/8/2016		0.0043 (J)	
11/9/2016	<0.0013		0.011
1/12/2017	0.00068 (J)		0.0062
1/13/2017		0.0034	
3/16/2017		0.0023	
3/17/2017	0.0029		0.0078
5/16/2017	0.0018		
5/17/2017		0.0009 (J)	0.0052
3/13/2018	0.0013		
3/14/2018		0.00062 (J)	0.0033
6/8/2018	0.0018		0.003
6/9/2018		0.00063 (J)	
10/17/2018			0.0028
11/13/2018	0.00072 (J)		
11/14/2018		<0.0013	
2/28/2019	0.00067 (J)		0.00089 (J)
3/5/2019		<0.0013	
6/4/2019	0.00048 (J)	<0.0013	0.001 (J)
11/12/2019	0.0011 (J)	<0.0013	0.0022 (V)
4/18/2020	0.00044		0.00086
4/22/2020		<0.0013	
10/12/2020	<0.0013	<0.0013	0.0017
4/1/2021	<0.0013	<0.0013	0.00064
9/8/2021	<0.0013	<0.0013	<0.0013
3/25/2022	<0.0013	<0.0013	<0.0013
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	<0.0013	<0.0013	<0.0013
Mean	0.001904	0.00266	0.005561
Std. Dev.	0.001553	0.002744	0.006124
Upper Lim.	0.00197	0.0034	0.006016
Lower Lim.	0.0006058	0.0009	0.001553

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.089	0.064	0.13
5/3/2016	0.076		0.11
5/4/2016		0.078	
7/5/2016	0.068		0.12
7/6/2016		0.081	
9/8/2016	0.078	0.095	0.13
11/8/2016		0.083	
11/9/2016	0.051		0.12
1/12/2017	0.036		0.1
1/13/2017		0.071	
3/16/2017		0.06	
3/17/2017	0.061		0.12
5/16/2017	0.061		
5/17/2017		0.036	0.11
3/13/2018	0.042		
3/14/2018		0.03	0.079
6/8/2018	0.057		0.07
6/9/2018		0.029	
10/17/2018			0.059
11/13/2018	0.048		
11/14/2018		0.028	
2/28/2019	0.045		0.048
3/5/2019		0.035	
6/4/2019	0.04	0.04	0.048
11/12/2019	0.0071	0.011	0.0081
4/18/2020	0.025		0.056
4/22/2020		0.048	
10/12/2020	0.025	0.038	0.051
4/1/2021	0.031	0.055	0.051
9/8/2021	0.026	0.049	0.039
3/25/2022	<0.0005	0.041	0.038
9/13/2022	0.059	0.034	0.039
4/11/2023	0.039	0.041	0.04
Mean	0.04592	0.04986	0.07458
Std. Dev.	0.02274	0.02186	0.0375
Upper Lim.	0.05847	0.06191	0.09526
Lower Lim.	0.03338	0.0378	0.05389

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

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.0025	<0.0025	0.00055 (J)
5/3/2016	<0.0025		<0.0025
5/4/2016		<0.0025	
7/5/2016	<0.0025		0.00048 (J)
7/6/2016		<0.0025	
9/8/2016	<0.0025	<0.0025	<0.0025
11/8/2016		<0.0025	
11/9/2016	<0.0025		<0.0025
1/12/2017	<0.0025		<0.0025
1/13/2017		<0.0025	
3/16/2017		<0.0025	
3/17/2017	<0.0025		0.00042 (J)
5/16/2017	<0.0025		
5/17/2017		<0.0025	<0.0025
3/13/2018	<0.0025		
3/14/2018		<0.0025	<0.0025
6/8/2018	<0.0025		<0.0025
6/9/2018		<0.0025	
10/17/2018			<0.0025
11/13/2018	<0.0025 (J3)		
11/14/2018		<0.0025 (J3)	
2/28/2019	<0.0025		<0.0025
3/5/2019		<0.0025	
6/4/2019	<0.0025	<0.0025	<0.0025
11/12/2019	<0.0025	<0.0025	<0.0025
4/18/2020	4.5E-05 (J)		4.1E-05 (J)
4/22/2020		6.9E-05 (J)	
10/12/2020	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025
9/8/2021	<0.0025	<0.0025	<0.0025
3/25/2022	<0.0025	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025	<0.0025
Mean	0.002383	0.002384	0.002095
Std. Dev.	0.0005357	0.0005305	0.0008605
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	4.5E-05	6.9E-05	0.00055

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.022 (o)	<0.0025	0.0031 (J)
5/3/2016	<0.0005		0.0025
5/4/2016		0.014	
7/5/2016	<0.0005		0.0026
7/6/2016		0.015	
9/8/2016	<0.0005	0.015	0.0026 (J)
11/8/2016		0.014	
11/9/2016	<0.0005		0.0032 (J)
1/12/2017	<0.0005		0.0031
1/13/2017		0.013	
3/16/2017		0.0084	
3/17/2017	<0.0005		0.0027
5/16/2017	<0.0005		
5/17/2017		0.0044	0.0024 (J)
3/13/2018	0.00039 (J)		
3/14/2018		0.0032	0.0014 (J)
6/8/2018	<0.0005		0.0014 (J)
6/9/2018		0.0029	
10/17/2018			0.00088 (J)
11/13/2018	<0.0005		
11/14/2018		0.0021 (J)	
2/28/2019	<0.0005		0.00065 (J)
3/5/2019		0.0023 (J)	
6/4/2019	<0.0005	0.0017 (J)	0.00035 (J)
11/12/2019	0.00061 (J)	0.002 (J)	0.00055 (J)
4/18/2020	0.00091		0.00029 (J)
4/22/2020		0.0013	
10/12/2020	<0.0005	0.0015 (J)	<0.0025
4/1/2021	0.0012	0.0012	0.00065
9/8/2021	0.0006 (J)	0.0013 (J)	0.00044 (J)
3/25/2022	<0.0005	0.0017 (J)	<0.0025
9/13/2022	0.0027	0.00066 (J)	<0.0025
4/11/2023	0.0009 (J)	0.0031	<0.0025
Mean	0.0006905	0.005239	0.001848
Std. Dev.	0.0005113	0.005392	0.001044
Upper Lim.	0.00061	0.005568	0.0026
Lower Lim.	0.0005	0.001848	0.00065

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-206
3/2/2016	<0.0025	0.0026 (J)
5/3/2016		<0.0025
5/4/2016	<0.0025	
7/5/2016		<0.0025
7/6/2016	<0.0025	
9/8/2016	<0.0025	<0.0025
11/8/2016	<0.0025	
11/9/2016		<0.0025
1/12/2017		<0.0025
1/13/2017	<0.0025	
3/16/2017	<0.0025	
3/17/2017		<0.0025
5/17/2017	<0.0025	<0.0025
3/14/2018	<0.0025	<0.0025
6/8/2018		<0.0025
6/9/2018	<0.0025	
2/28/2019		<0.0025
3/5/2019	<0.0025	
4/18/2020		<0.0025
4/22/2020	<0.0025	
10/12/2020	0.0011 (J)	<0.0025
4/1/2021	0.0018	<0.0025
9/8/2021	0.002 (J)	<0.0025
3/25/2022	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025
Mean	0.002356	0.002506
Std. Dev.	0.0003698	2.357E-05
Upper Lim.	0.0025	0.0026
Lower Lim.	0.002	0.0025

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0024 (J)	0.0013 (J)	0.0074 (J)
5/3/2016	0.0015 (J)		0.0051
5/4/2016		0.0026	
7/5/2016	0.0015 (J)		0.0055
7/6/2016		0.0033	
9/8/2016	<0.0005	0.0038 (J)	0.0056 (J)
11/8/2016		0.0035 (J)	
11/9/2016	<0.0005		0.0057 (J)
1/12/2017	0.00056 (J)		0.0044
1/13/2017		0.006	
3/16/2017		0.0021 (J)	
3/17/2017	0.0012 (J)		0.0027
5/16/2017	0.0013 (J)		
5/17/2017		0.0021 (J)	0.0035
3/13/2018	0.0011 (J)		
3/14/2018		0.0022 (J)	0.0027
6/8/2018	0.0028		0.0029
6/9/2018		0.0016 (J)	
10/17/2018			0.0027
11/13/2018	0.0019 (J)		
11/14/2018		0.0016 (J)	
2/28/2019	0.0024 (J)		0.0022 (J)
3/5/2019		0.0017 (J)	
6/4/2019	0.0013 (J)	0.0014 (J)	0.0018 (J)
11/12/2019	<0.0005	<0.0025	0.00067 (J)
4/18/2020	0.00048 (J)		0.0016
4/22/2020		0.00091	
10/12/2020	<0.0005	0.0014 (J)	0.0019 (J)
4/1/2021	0.0013	0.0012	0.002
9/8/2021	0.00061 (J)	0.00071 (J)	0.0014 (J)
3/25/2022	<0.0005	0.00086 (J)	0.0012 (J)
9/13/2022	0.00069 (J)	0.0011 (J)	0.0014 (J)
4/11/2023	0.0011 (J)	0.00082 (J)	0.0013 (J)
Mean	0.001173	0.001974	0.003032
Std. Dev.	0.0007117	0.00128	0.001864
Upper Lim.	0.001355	0.00247	0.00406
Lower Lim.	0.0006926	0.001265	0.002004

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

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	22.9	22.1	36.5
5/3/2016	23.6		35.5
5/4/2016		19.9	
7/5/2016	23.6		32.9
7/6/2016		28.5	
9/8/2016	20.8	20.1	23
11/8/2016		24.6	
11/9/2016	7.46		40.5
1/12/2017	11.2		35.4
1/13/2017		22.8	
3/16/2017		12.2	
3/17/2017	14.3		27.7
5/16/2017	16.9		
5/17/2017		7.05	26.4
3/13/2018	10.9		
3/14/2018		6.95	17.7
6/8/2018	10.6		15.3
6/9/2018		6.52	
10/17/2018			12.6
11/13/2018	9.09		
11/14/2018		5.66	
2/28/2019	9.7		8.04
3/5/2019		8.11	
6/4/2019	7.7	5.89	8.36
11/12/2019	6.4	8.32	7.14
4/18/2020	2.42		7.03
4/22/2020		7.2	
10/12/2020	4.51	7.02	9.54
4/1/2021	5.51	9.55	9.3
9/8/2021	4.54	8.42	6.25
3/25/2022	3.81	8.93	6.19
9/13/2022	13.4	4.5	6.19
4/11/2023	5.67	8.7	3.9
Mean	11.19	12.05	17.88
Std. Dev.	6.796	7.44	12.45
Upper Lim.	14.94	13.99	22.92
Lower Lim.	7.442	7.546	10.05

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.088 (J)	0.54	0.074 (J)
5/3/2016	0.05 (J)		0.05 (J)
5/4/2016		0.41	
7/5/2016	0.07 (J)		0.05 (J)
7/6/2016		0.49	
9/8/2016	0.07 (J)	0.57	0.05 (J)
11/8/2016		0.47	
11/9/2016	0.06 (J)		0.04 (J)
1/12/2017	<0.1		0.04 (J)
1/13/2017		0.73	
3/16/2017		0.92	
3/17/2017	0.05 (J)		0.04 (J)
5/16/2017	0.06 (J)		
5/17/2017		0.77	0.06 (J)
10/3/2017			0.11
10/4/2017	0.08 (J)	0.96	
12/20/2017		0.88 (R)	0.08 (I)
3/13/2018	0.05 (J)		
3/14/2018		0.84	0.08 (J)
6/8/2018	0.13		0.1
6/9/2018		0.78	
10/17/2018			0.12
11/13/2018	0.1		
11/14/2018		0.67	
2/28/2019	0.3		0.1
3/5/2019		0.64	
6/4/2019	<0.1	0.09 (J)	0.08 (J)
11/12/2019	0.072 (J)	0.57	0.045 (J)
4/18/2020	<0.1		<0.1
4/22/2020		0.39	
10/12/2020	<0.1	0.46	0.04 (J)
4/1/2021	0.07	0.5	0.07
9/8/2021	0.049 (J)	0.36	0.048 (J)
3/25/2022	<0.1	0.25	<0.1
9/13/2022	0.27 (J)	<0.1	<0.1
4/11/2023	<0.1	0.15	<0.1
Mean	0.09859	0.543	0.07291
Std. Dev.	0.0644	0.2583	0.02665
Upper Lim.	0.1	0.6781	0.07203
Lower Lim.	0.06	0.408	0.04693

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.0013	<0.0013	0.011
5/3/2016	0.0015		0.0087
5/4/2016		<0.0013	
7/5/2016	0.0017		0.011
7/6/2016		<0.0013	
9/8/2016	0.0021 (J)	<0.0013	0.0092
11/8/2016		<0.0013	
11/9/2016	<0.0013		0.01
1/12/2017	0.00041 (J)		0.0086
1/13/2017		<0.0013	
3/16/2017		<0.0013	
3/17/2017	0.0011 (J)		0.0082
5/16/2017	0.0011 (J)		
5/17/2017		<0.0013	0.0081
3/13/2018	0.00047 (J)		
3/14/2018		<0.0013	0.004
6/8/2018	0.0013		0.0034
6/9/2018		<0.0013	
10/17/2018			0.0026
11/13/2018	0.0014		
11/14/2018		<0.0013	
2/28/2019	0.0012 (J)		0.0019
3/5/2019		0.00037 (J)	
6/4/2019	0.00079 (J)	0.00065 (J)	0.0011 (J)
11/12/2019	0.00069 (J)	0.00061 (J)	0.001 (J)
4/18/2020	0.00042		0.00057
4/22/2020		0.0005	
10/12/2020	0.00034 (J)	0.0005 (J)	0.00085 (J)
4/1/2021	0.00058	0.00057	0.00076
9/8/2021	<0.0013	0.00034 (J)	0.0004 (J)
3/25/2022	<0.0013	<0.0013	<0.0013
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	<0.0013	<0.0013	<0.0013
Mean	0.00109	0.001035	0.004444
Std. Dev.	0.0004661	0.000389	0.004108
Upper Lim.	0.001166	0.0013	0.0087
Lower Lim.	0.0005909	0.00057	0.00076

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.01 (J)	<0.005	<0.005
5/3/2016	<0.005		<0.005
5/4/2016		0.0069	
7/5/2016	<0.005		<0.005
7/6/2016		0.0086	
9/8/2016	<0.005	0.035	<0.005
11/8/2016		<0.005	
11/9/2016	<0.005		<0.005
1/12/2017	<0.005		<0.005
1/13/2017		0.0078	
3/16/2017		0.0062	
3/17/2017	<0.005		<0.005
5/16/2017	<0.005		
5/17/2017		0.0042 (J)	<0.005
3/13/2018	<0.005		
3/14/2018		0.0053	<0.005
6/8/2018	<0.005		0.0012 (J)
6/9/2018		0.0044 (J)	
10/17/2018			0.0014 (J)
11/13/2018	0.0024 (J)		
11/14/2018		0.005	
2/28/2019	0.0025 (J)		<0.005
3/5/2019		0.0043 (J)	
6/4/2019	0.0012 (J)	0.0044 (J)	<0.005
11/12/2019	<0.005	0.0026 (J)	<0.005
4/18/2020	<0.005		<0.005
4/22/2020		0.0024	
10/12/2020	<0.005	0.0026 (J)	<0.005
4/1/2021	<0.005	0.005	0.0029
9/8/2021	<0.005	0.0033 (J)	<0.005
3/25/2022	<0.005	<0.005	<0.005
9/13/2022	<0.005	<0.005	<0.005
4/11/2023	<0.005	<0.005	<0.005
Mean	0.004814	0.006333	0.004548
Std. Dev.	0.001608	0.006751	0.001173
Upper Lim.	0.01	0.0062	0.005
Lower Lim.	0.0025	0.0042	0.0029

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0027	0.0026	0.00024
5/3/2016	0.003		0.00036
5/4/2016		0.0022	
7/5/2016	0.0023		0.0007
7/6/2016		0.0026	
9/8/2016	0.0034	0.0027	0.00081
11/8/2016		0.0016	
11/9/2016	0.0012		0.00099
1/12/2017	0.0012		0.00064
1/13/2017		0.0026	
3/16/2017		0.0015	
3/17/2017	0.0022		0.00033
5/16/2017	0.0019		
5/17/2017		0.00016 (J)	0.00034
3/13/2018	0.0014		
3/14/2018		0.00051	0.0002
6/8/2018	0.0018		0.00016 (J)
6/9/2018		0.00032	
10/17/2018			0.00014 (J)
11/13/2018	0.0021		
11/14/2018		8.2E-05 (J)	
2/28/2019	0.0016		0.00012 (J)
3/5/2019		0.0026	
6/4/2019	0.00061	0.0012	<0.0002
11/12/2019	0.00056	0.00048	<0.0002
4/18/2020	0.00013 (J)		<0.0002
4/22/2020		0.0004	
10/12/2020	0.00017 (J)	0.00026	<0.0002
4/1/2021	0.00025	0.00029	<0.0002
9/8/2021	<0.0002	<0.0002	<0.0002
3/25/2022	<0.0002	<0.0002	<0.0002
9/13/2022	0.00038	0.00027	<0.0002
4/11/2023	0.00079	0.00028	<0.0002
Mean	0.001328	0.001088	0.0003252
Std. Dev.	0.001029	0.001041	0.0002435
Upper Lim.	0.001896	0.00117	0.00036
Lower Lim.	0.0007604	0.0003025	0.00016

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.015	<0.015	<0.015
5/3/2016	<0.015		<0.015
5/4/2016		<0.015	
7/5/2016	<0.015		<0.015
7/6/2016		<0.015	
9/8/2016	<0.015	<0.015	<0.015
11/8/2016		<0.015	
11/9/2016	<0.015		<0.015
1/12/2017	<0.015		<0.015
1/13/2017		<0.015	
3/16/2017		0.0015 (J)	
3/17/2017	0.0078 (J)		<0.015
5/16/2017	<0.015		
5/17/2017		<0.015	<0.015
3/13/2018	<0.015		
3/14/2018		<0.015	0.00092 (J)
6/8/2018	<0.015		<0.015
6/9/2018		<0.015	
10/17/2018			<0.015
11/13/2018	<0.015		
11/14/2018		<0.015	
2/28/2019	<0.015		<0.015
3/5/2019		<0.015	
4/18/2020	<0.015		<0.015
4/22/2020		<0.015	
10/12/2020	<0.015	<0.015	<0.015
4/1/2021	<0.015	<0.015	<0.015
9/8/2021	<0.015	<0.015	<0.015
3/25/2022	<0.015	<0.015	<0.015
9/13/2022	<0.015	<0.015	<0.015
4/11/2023	<0.015	<0.015	<0.015
Mean	0.01462	0.01429	0.01426
Std. Dev.	0.001652	0.003097	0.00323
Upper Lim.	0.015	0.015	0.015
Lower Lim.	0.0078	0.0015	0.00092

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.018	0.013	0.026
5/3/2016	0.016		0.019
5/4/2016		0.014	
7/5/2016	0.018		0.018
7/6/2016		0.015	
9/8/2016	0.016	0.018	0.018
11/8/2016		0.015	
11/9/2016	0.013		0.02
1/12/2017	0.004		0.017
1/13/2017		0.014	
3/16/2017		0.012	
3/17/2017	0.015		0.016
5/16/2017	0.01		
5/17/2017		0.0094	0.013
3/13/2018	0.0064		
3/14/2018		0.0049	0.019
6/8/2018	0.0076		0.018
6/9/2018		0.0047	
10/17/2018			0.013
11/13/2018	0.0062		
11/14/2018		0.0031	
2/28/2019	0.0044		0.011
3/5/2019		0.0012 (J)	
6/4/2019	0.0044	0.002	0.015
11/12/2019	0.0042	0.0026	0.012
4/18/2020	0.0028		0.0085
4/22/2020		0.0037	
10/12/2020	0.0025	0.003	0.0071
4/1/2021	0.0042	0.0036	0.008
9/8/2021	0.0033	0.0046	0.0059
3/25/2022	<0.0013	0.005	0.0069
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	0.0052	0.0034	0.0051
Mean	0.007738	0.007279	0.0132
Std. Dev.	0.005816	0.005552	0.006248
Upper Lim.	0.01004	0.00945	0.01664
Lower Lim.	0.00396	0.003693	0.009751

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 2:05 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.00058 (J)	0.0003 (J)	0.00095 (J)
5/3/2016	0.00041 (J)		0.00089
5/4/2016		0.0005	
7/5/2016	0.0004 (J)		0.001
7/6/2016		0.00047 (J)	
9/8/2016	0.00045 (J)	0.00053 (J)	0.00088 (J)
11/8/2016		0.00055 (J)	
11/9/2016	<0.0005		0.00083 (J)
1/12/2017	0.00012 (J)		0.00076
1/13/2017		0.00057	
3/16/2017		0.0004 (J)	
3/17/2017	0.00027 (J)		0.00088
5/16/2017	0.00025 (J)		
5/17/2017		0.00029 (J)	0.00071
3/13/2018	0.00018 (J)		
3/14/2018		0.00027 (J)	0.00055
6/8/2018	0.00018 (J)		0.00048 (J)
6/9/2018		0.00023 (J)	
10/17/2018			0.0003 (J)
11/13/2018	<0.0005		
11/14/2018		0.00015 (J)	
2/28/2019	0.0001 (J)		0.00024 (J)
3/5/2019		0.00016 (J)	
6/4/2019	<0.0005	0.00011 (J)	0.00017 (J)
11/12/2019	<0.0005	0.00012 (J)	0.00019 (J)
4/18/2020	5.8E-05 (J)		0.00023
4/22/2020		0.00015	
10/12/2020	0.00014 (J)	0.00025 (J)	0.00033 (J)
4/1/2021	<0.0005	0.00012	0.0002
9/8/2021	<0.0005	<0.0005	<0.0005
3/25/2022	<0.0005	<0.0005	<0.0005
9/13/2022	<0.0005	<0.0005	<0.0005
4/11/2023	<0.0005	<0.0005	<0.0005
Mean	0.0003637	0.0003414	0.0005519
Std. Dev.	0.0001712	0.0001681	0.0002797
Upper Lim.	0.0005	0.0003563	0.0006446
Lower Lim.	0.00018	0.0001885	0.0003229

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

300 Series

Appendix IV - 300 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 12:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.026**	**0.0079**	**0.006**	**Yes**	**12**	**0.08277**	**0**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.729**	**5.085**	**5**	**Yes**	**21**	**1.861**	**0**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.41**	**0.7221**	**0.1**	**Yes**	**21**	**0.6238**	**0**	**No**	**0.01**	**Param.**

Appendix IV - 300 Series Confidence Intervals - All Results

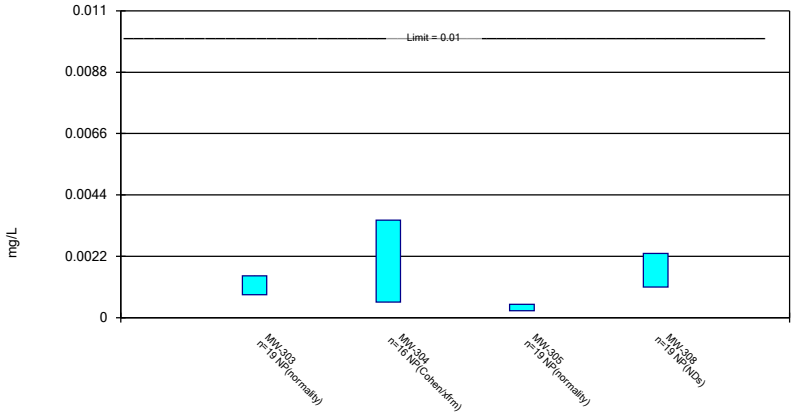
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 8/24/2023, 12:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-303	0.0015	0.00082	0.01	No	19	0.0004136	57.89	No	0.01	NP (normality)
Arsenic (mg/L)	MW-304	0.0035	0.00056	0.01	No	16	0.001509	31.25	No	0.01	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-305	0.00048	0.00025	0.01	No	19	0.02115	73.68	No	0.01	NP (normality)
Arsenic (mg/L)	MW-308	0.0023	0.0011	0.01	No	19	0.0003114	84.21	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.011	2	No	21	0.00074	0	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04946	0.03244	2	No	21	0.01542	0	No	0.01	Param.
Barium (mg/L)	MW-304	0.04168	0.02918	2	No	21	0.01133	0	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	21	0.007298	0	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02695	0.02181	2	No	21	0.004653	0	No	0.01	Param.
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	18	0.0005718	94.44	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.001	0.004	No	18	0.0003536	94.44	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	21	0.0005292	95.24	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00041	0.005	No	21	0.001034	42.86	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0042	0.001	0.005	No	21	0.0006386	85.71	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0029	0.000076	0.005	No	21	0.0005404	90.48	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	21	0.0005261	95.24	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0012	0.1	No	18	0.0004291	88.89	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0014	0.1	No	18	0.0003896	88.89	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0021	0.1	No	18	0.0003666	77.78	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.002	0.1	No	18	0.0004436	72.22	No	0.01	NP (normality)
Chromium (mg/L)	MW-308	0.0025	0.0022	0.1	No	18	0.0003981	88.89	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	21	0.0008516	80.95	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00056	0.006	No	21	0.0009749	47.62	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-304**	**0.026**	**0.0079**	**0.006**	**Yes**	**12**	**0.08277**	**0**	**No**	**0.01**	**NP (normality)**
Cobalt (mg/L)	MW-305	0.0025	0.00045	0.006	No	21	0.007704	33.33	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	21	0.0005731	90.48	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.489	4.652	5	No	21	0.9066	0	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.729**	**5.085**	**5**	**Yes**	**21**	**1.861**	**0**	**ln(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-304	6.759	4.191	5	No	21	2.327	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.9	1.24	5	No	21	4.169	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-308	2.964	2.23	5	No	21	0.6656	0	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	22	0.01258	95.45	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2424	0.1672	4	No	23	0.07185	4.348	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.07	4	No	22	0.1339	50	No	0.01	NP (normality)
Fluoride (mg/L)	MW-305	0.81	0.035	4	No	22	0.9659	81.82	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1412	0.08926	4	No	23	0.04962	4.348	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.00039	0.015	No	18	0.0003479	88.89	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	18	0.0002805	94.44	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00048	0.015	No	18	0.000409	61.11	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.0019	0.0013	0.015	No	18	0.0001414	94.44	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0036	0.04	No	21	0.001488	80.95	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02735	0.02123	0.04	No	21	0.00651	4.762	x^2	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0034	0.04	No	21	0.00174	66.67	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.006	0.0025	0.04	No	21	0.0016	76.19	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0021	0.04	No	21	0.00146	80.95	No	0.01	NP (NDs)
Mercury (mg/L)	MW-300	0.0002	0.00019	0.002	No	21	0.000002182	95.24	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00055	0.0002	0.002	No	21	0.0003094	28.57	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.00046	0.00014	0.002	No	21	0.0005967	80.95	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.00042	0.000087	0.002	No	21	0.00005506	90.48	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.41**	**0.7221**	**0.1**	**Yes**	**21**	**0.6238**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0043	0.1	No	21	0.005446	66.67	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	21	0.004226	90.48	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.0037	0.1	No	21	0.005161	80.95	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.0045	0.00087	0.05	No	21	0.0007092	90.48	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.00627	0.003796	0.05	No	21	0.002243	0	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006337	0.004023	0.05	No	20	0.002038	0	No	0.01	Param.
Selenium (mg/L)	MW-305	0.02	0.00077	0.05	No	21	0.04554	80.95	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.006082	0.003566	0.05	No	21	0.002281	0	No	0.01	Param.
Thallium (mg/L)	MW-303	0.00038	0.00018	0.002	No	21	0.0001255	19.05	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0005	0.00015	0.002	No	21	0.0001595	28.57	No	0.01	NP (Cohens/xfrm)
Thallium (mg/L)	MW-308	0.0003892	0.0002442	0.002	No	21	0.0001103	19.05	No	0.01	Param.

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

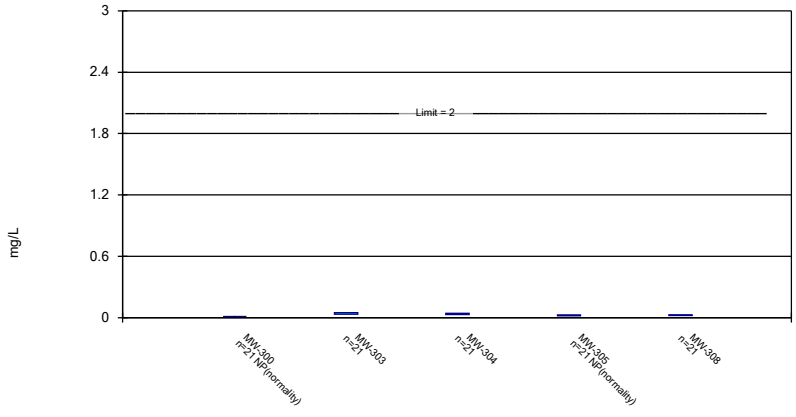


Constituent: Arsenic Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

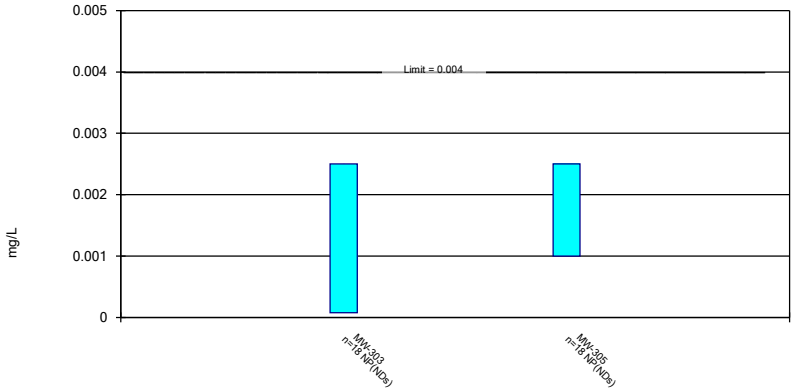


Constituent: Barium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

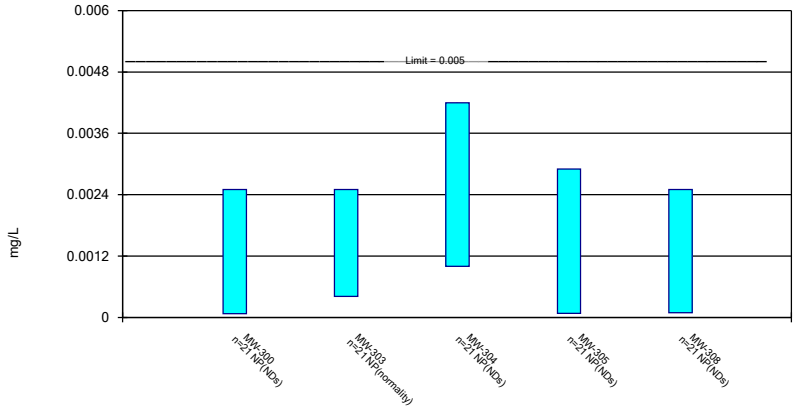


Constituent: Beryllium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

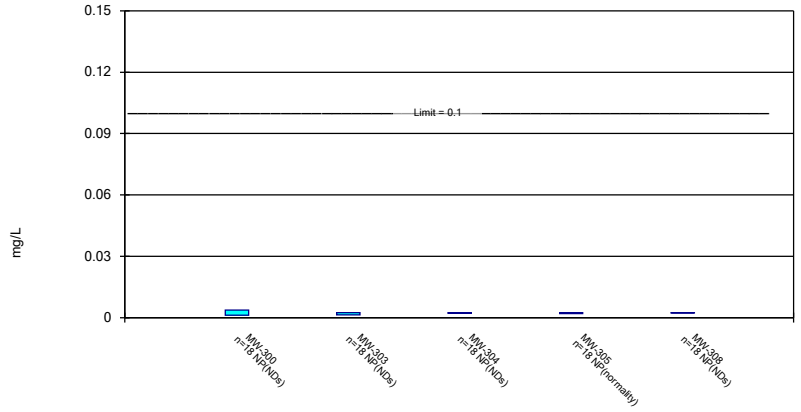


Constituent: Cadmium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

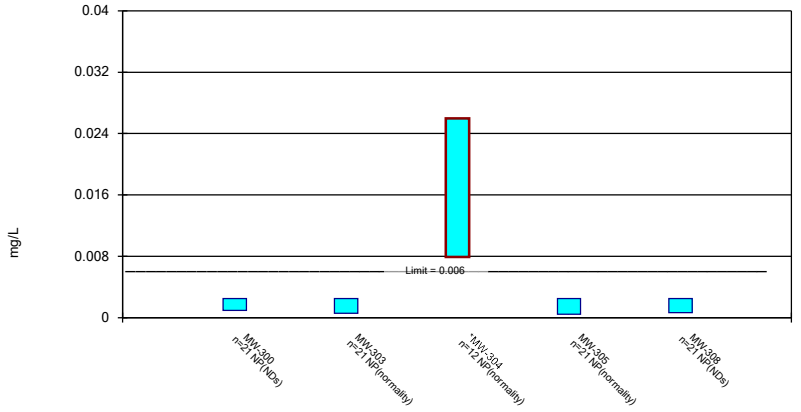


Constituent: Chromium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01.

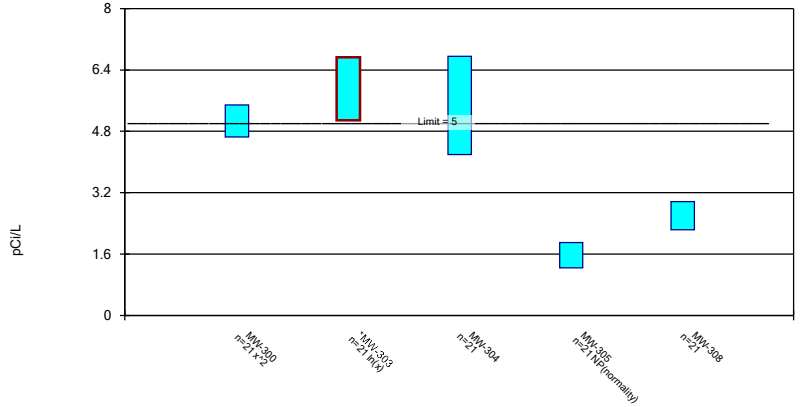


Constituent: Cobalt Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

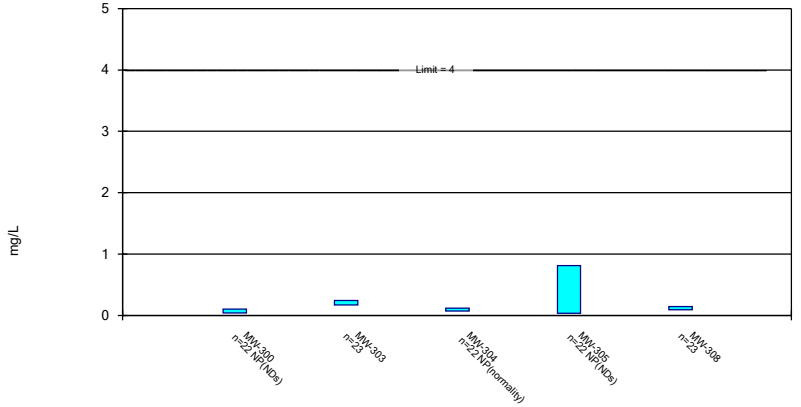


Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidenc
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

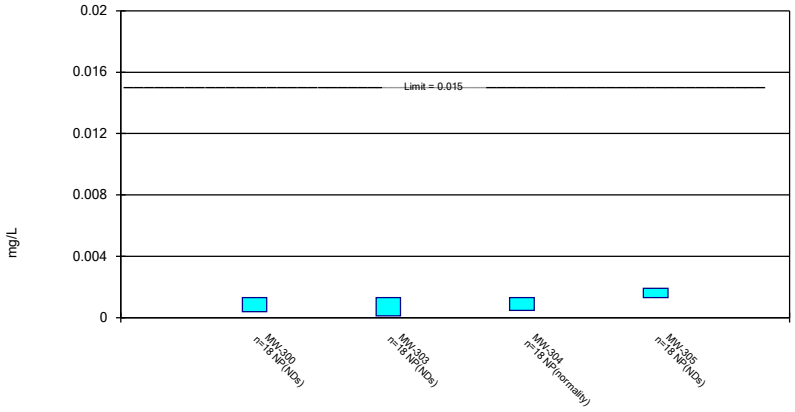


Constituent: Fluoride Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

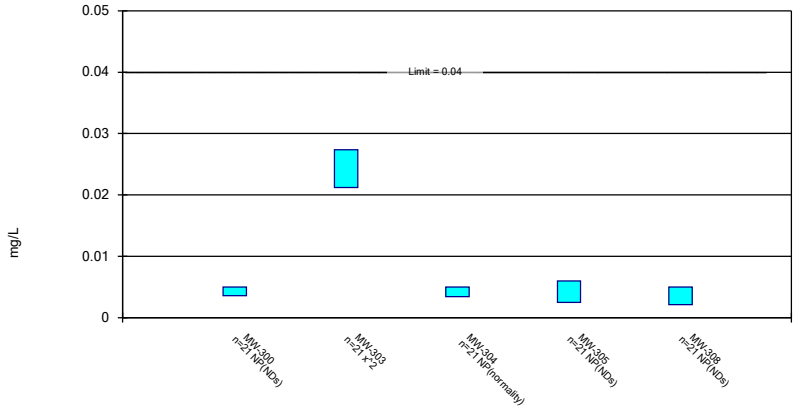


Constituent: Lead Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

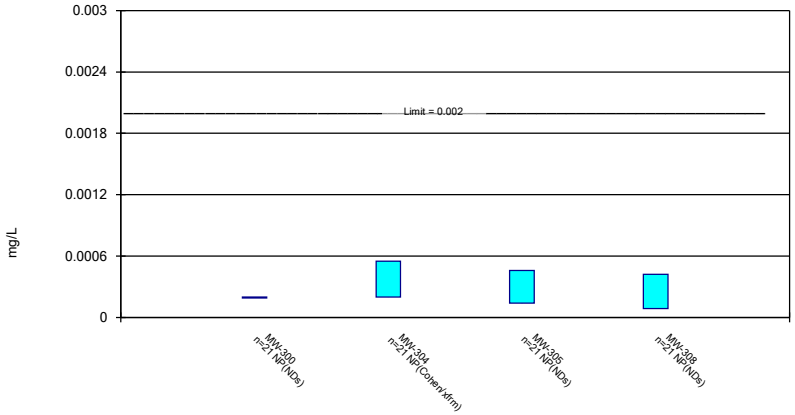


Constituent: Lithium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

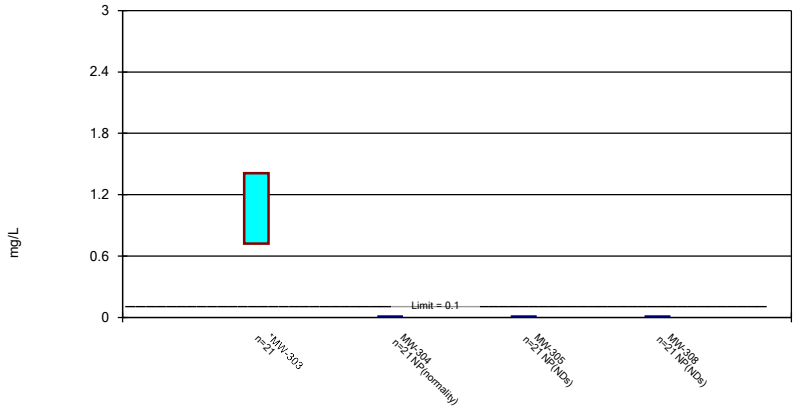


Constituent: Mercury Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

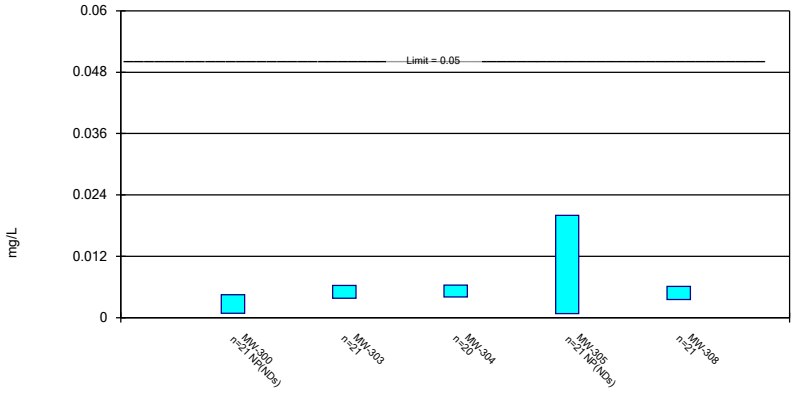
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

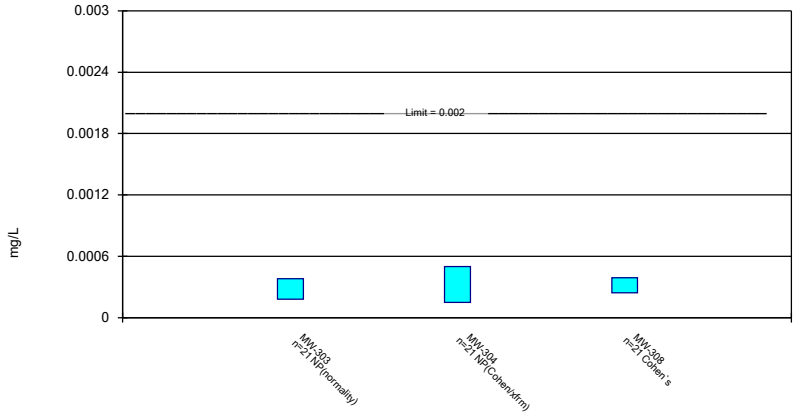


Constituent: Selenium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 8/24/2023 12:15 PM View: 300 Series Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.0018 (J)	0.009 (o)	<0.00025	<0.0013
5/4/2016	0.0024	0.019 (o)	<0.00025	<0.0013
7/6/2016	0.0005 (J)	0.014 (o)		<0.0013
7/7/2016			<0.00025	
9/7/2016		0.005	<0.00025	<0.0013
9/8/2016	<0.0013			
11/7/2016			<0.00025	
11/8/2016	<0.0013	0.0035		<0.0013
1/10/2017	<0.0013	0.0051	<0.00025	<0.0013
3/15/2017		0.00066 (J)	<0.00025	
3/16/2017	0.0015			<0.0013
5/15/2017	0.0012 (J)			
5/16/2017		0.00094 (J)	<0.00025	<0.0013
3/13/2018	0.00082 (J)	0.00086 (J)	<0.00025	<0.0013
6/7/2018	0.0007 (J)	0.00056 (J)	<0.00025	<0.0013
10/17/2018	<0.0013	0.0005 (J)	<0.00025	<0.0013
2/27/2019				<0.0013
2/28/2019	<0.0013	<0.0013	<0.00025	
4/18/2020	<0.0013	0.00053	0.00042	0.00046
10/8/2020	0.00069 (J)			0.0011 (J)
10/9/2020		<0.0013	0.00057 (J)	
4/1/2021	<0.0013	0.00062	0.00048	<0.0013
9/7/2021	<0.0013	<0.0013	<0.00025	<0.0013
3/24/2022	<0.0013	0.0019	<0.00025	0.0023
9/12/2022	<0.0013	<0.0013		<0.0013
9/16/2022			0.092	
4/10/2023		<0.0013	0.016	
4/11/2023	<0.0013			<0.0013
Mean	0.001258	0.001667	0.005946	0.001298
Std. Dev.	0.0004136	0.001509	0.02115	0.0003114
Upper Lim.	0.0015	0.0035	0.00048	0.0023
Lower Lim.	0.00082	0.00056	0.00025	0.0011

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.01 (J)	0.024	0.045	0.02	0.023
5/4/2016	0.012	0.025	0.035	0.017	0.029
7/6/2016		0.025	0.036		0.029
7/7/2016	0.012			0.018	
9/7/2016	0.011		0.026	0.017	0.029
9/8/2016		0.03			
11/7/2016				0.017	
11/8/2016	0.011	0.032	0.042		0.025
1/10/2017	0.011	0.027	0.041	0.016	0.022
3/15/2017	0.013		0.018	0.018	
3/16/2017		0.04			0.023
5/15/2017		0.028			
5/16/2017	0.011		0.026	0.016	0.02
3/13/2018	0.011	0.034	0.057	0.016	0.031
6/6/2018	0.012				
6/7/2018		0.053	0.04	0.016	0.026
10/17/2018		0.048	0.021	0.016	0.017
10/18/2018	0.01				
2/27/2019					0.024
2/28/2019	0.012	0.032	0.039	0.02	
5/31/2019	0.011	0.029	0.044	0.036	0.031
11/11/2019	0.012	0.046	0.027	0.026	0.02
4/18/2020	0.011	0.069	0.043	0.02	0.016
10/8/2020		0.076			0.022
10/9/2020	0.011		0.015	0.016	
3/31/2021	0.012				
4/1/2021		0.068	0.055	0.017	0.031
9/7/2021	0.011	0.034	0.041	0.015	0.029
3/24/2022	0.012	0.047	0.036	0.03	0.024
9/12/2022	0.011	0.044	0.022		0.019
9/16/2022				0.041	
4/10/2023	0.012		0.035	0.029	
4/11/2023		0.049			0.022
Mean	0.01138	0.04095	0.03543	0.02081	0.02438
Std. Dev.	0.00074	0.01542	0.01133	0.007298	0.004653
Upper Lim.	0.012	0.04946	0.04168	0.026	0.02695
Lower Lim.	0.011	0.03244	0.02918	0.016	0.02181

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-305
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016	<0.0025	
7/7/2016		<0.0025
9/7/2016		<0.0025
9/8/2016	<0.0025	
11/7/2016		<0.0025
11/8/2016	<0.0025	
1/10/2017	<0.0025	<0.0025
3/15/2017		<0.0025
3/16/2017	<0.0025	
5/15/2017	<0.0025	
5/16/2017		<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025
4/18/2020	7.4E-05 (J)	<0.0025
10/8/2020	<0.0025	
10/9/2020		<0.0025
4/1/2021	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025
3/24/2022	<0.0025	<0.0025
9/12/2022	<0.0025	
9/16/2022		0.001 (J)
4/10/2023		<0.0025
4/11/2023	<0.0025	
Mean	0.002365	0.002417
Std. Dev.	0.0005718	0.0003536
Upper Lim.	0.0025	0.0025
Lower Lim.	7.4E-05	0.001

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

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/6/2016		0.00036 (J)	<0.0025		<0.0025
7/7/2016	<0.0025			<0.0025	
9/7/2016	<0.0025		<0.0025	<0.0025	<0.0025
9/8/2016		0.00045 (J)			
11/7/2016				<0.0025	
11/8/2016	<0.0025	0.00065 (J)	<0.0025		<0.0025
1/10/2017	<0.0025	0.00051 (J)	<0.0025	<0.0025	<0.0025
3/15/2017	<0.0025		<0.0025	<0.0025	
3/16/2017		0.00049 (J)			<0.0025
5/15/2017		0.00045 (J)			
5/16/2017	<0.0025		<0.0025	<0.0025	<0.0025
3/13/2018	<0.0025	0.00041 (J)	<0.0025	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		0.00066 (J)	<0.0025	<0.0025	<0.0025
10/17/2018		0.00072 (J)	<0.0025	<0.0025	<0.0025
10/18/2018	<0.0025				
2/27/2019					<0.0025
2/28/2019	<0.0025	0.00039 (J)	<0.0025	<0.0025	
5/31/2019	<0.0025	0.00034 (J)	<0.0025	<0.0025	<0.0025
11/11/2019	<0.0025	<0.0025	0.001 (J)	<0.0025	<0.0025
4/18/2020	7.5E-05 (J)	0.00024 (J)	0.00073	7.6E-05 (J)	8.9E-05 (J)
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		<0.0025	<0.0025	
3/31/2021	<0.0025				
4/1/2021		<0.0025	<0.0025	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025	0.0042	<0.0025	<0.0025
3/24/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2022	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2022				0.0029	
4/10/2023	<0.0025		<0.0025	<0.0025	
4/11/2023		<0.0025			<0.0025
Mean	0.002385	0.001341	0.002425	0.002404	0.002385
Std. Dev.	0.0005292	0.001034	0.0006386	0.0005404	0.0005261
Upper Lim.	0.0025	0.0025	0.0042	0.0029	0.0025
Lower Lim.	7.5E-05	0.00041	0.001	7.6E-05	8.9E-05

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/4/2016	0.0037	<0.0025	0.0012 (J)	0.0025	<0.0025
7/6/2016		<0.0025	<0.0025		<0.0025
7/7/2016	<0.0025			<0.0025	
9/7/2016	<0.0025		<0.0025	<0.0025	<0.0025
9/8/2016		<0.0025			
11/7/2016				<0.0025	
11/8/2016	<0.0025	<0.0025	<0.0025		<0.0025
1/10/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/15/2017	<0.0025		<0.0025	<0.0025	
3/16/2017		<0.0025			<0.0025
5/15/2017		<0.0025			
5/16/2017	<0.0025		<0.0025	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		<0.0025	<0.0025	<0.0025	<0.0025
2/27/2019					<0.0025
2/28/2019	<0.0025	<0.0025	<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	0.00082
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		0.0016 (J)	0.0016 (J)	
3/31/2021	<0.0025				
4/1/2021		0.0014	<0.0025	<0.0025	<0.0025
9/7/2021	0.0012 (J)	0.0012 (J)	0.0025	0.0012 (J)	0.0022 (J)
3/24/2022	<0.0025	<0.0025	0.0021 (J)	0.002	<0.0025
9/12/2022	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2022				0.0013 (J)	
4/10/2023	<0.0025		<0.0025	<0.0025	
4/11/2023		<0.0025			<0.0025
Mean	0.002494	0.002367	0.002356	0.002283	0.00239
Std. Dev.	0.0004291	0.0003896	0.0003666	0.0004436	0.0003981
Upper Lim.	0.0037	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.0012	0.0014	0.0021	0.002	0.0022

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	0.19	0.00085 (J)	0.00063 (J)
5/4/2016	0.00093 (J)	0.0007 (J)	0.16	0.001 (J)	0.00056 (J)
7/6/2016		<0.0025	0.15		<0.0025
7/7/2016	<0.0025			0.00044 (J)	
9/7/2016	<0.0025		0.019	0.00052 (J)	<0.0025
9/8/2016		<0.0025			
11/7/2016				0.00046 (J)	
11/8/2016	<0.0025	0.00051 (J)	0.099		<0.0025
1/10/2017	<0.0025	<0.0025	0.077	0.00042 (J)	<0.0025
3/15/2017	<0.0025		0.0042	0.00044 (J)	
3/16/2017		0.0004 (J)			<0.0025
5/15/2017		0.00079 (J)			
5/16/2017	<0.0025		0.0067	<0.0025	<0.0025
3/13/2018	<0.0025	0.00056 (J)	0.015	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		0.0007 (J)	0.014	<0.0025	<0.0025
10/17/2018		<0.0025	0.012	<0.0025	<0.0025
10/18/2018	<0.0025				
2/27/2019					<0.0025
2/28/2019	<0.0025	0.00059 (J)	0.02	0.00042 (J)	
5/31/2019	<0.0025	0.00073 (J)	0.026	0.00046 (J)	<0.0025
11/11/2019	0.00023 (J)	0.00065 (J)	0.023	0.00063 (J)	<0.0025
4/18/2020	0.00024 (J)	0.00044 (J)	0.015	0.00045 (J)	<0.0025
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		0.0019 (J)	<0.0025	
3/31/2021	<0.0025				
4/1/2021		<0.0025	0.0079	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025	0.3	<0.0025	<0.0025
3/24/2022	0.00024 (J)	<0.0025	0.01	0.0016	<0.0025
9/12/2022	<0.0025	<0.0025	0.012		<0.0025
9/16/2022				0.036	
4/10/2023	<0.0025		0.014	0.0085	
4/11/2023		0.00056 (J)			<0.0025
Mean	0.002102	0.001506	0.03798	0.003319	0.002319
Std. Dev.	0.0008516	0.0009749	0.08277	0.007704	0.0005731
Upper Lim.	0.0025	0.0025	0.026	0.0025	0.0025
Lower Lim.	0.00093	0.00056	0.0079	0.00045	0.00063

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

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	4.62	5.43	9.46	1.67	2.29
5/4/2016	5.36	5.52	9.66	1.18	2.58
7/6/2016		12.9	2.84		3.08
7/7/2016	6.27			1.24	
9/7/2016	5.25		4.49	1.49	3.04
9/8/2016		3.73			
11/7/2016				1.32	
11/8/2016	5.64	5.61	7.47		2.96
1/10/2017	5.39	4.33	9.6	2.16	3.5
3/15/2017	5.72		2.22	1.14	
3/16/2017		6.34			2.9
5/15/2017		5.77			
5/16/2017	4.84		3.89	1.26	1.47
3/13/2018	5.59	5.94	5.25	1.29	2.96
6/6/2018	3.96				
6/7/2018		5.79	4.1	1.25	2.45
10/17/2018		6.31	3.15	1.24	2.7
10/18/2018	5.75				
2/27/2019					2.61
2/28/2019	4.82	5.4	5.21	1.55	
5/31/2019	4.06	4.37	6.03	1.9	3.62
11/11/2019	5.43	5.71	5.15	1.58	2
4/18/2020	5.09	6.89	7.33	1.55	1.34
10/8/2020		8.36			3.17
10/9/2020	4.71		1.58	0.858	
3/31/2021	4.44				
4/1/2021		6.31	6.79	1.23	2.27
9/7/2021	5.47	6.02	6.19	1.6	2.42
3/24/2022	5.39	5.28	6.01	3	3.16
9/12/2022	5.46	4.49	3.54		2.84
9/16/2022				20	
4/10/2023	1.95		5.02	6.83	
4/11/2023		6.62			1.17
Mean	5.01	6.053	5.475	2.635	2.597
Std. Dev.	0.9066	1.861	2.327	4.169	0.6656
Upper Lim.	5.489	6.729	6.759	1.9	2.964
Lower Lim.	4.652	5.085	4.191	1.24	2.23

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.041 (J)	0.15	0.12	0.035 (J)	0.11
5/4/2016	<0.1	0.11	0.19	<0.1	0.07 (J)
7/6/2016		0.13	0.15		0.07 (J)
7/7/2016	<0.1			<0.1	
9/7/2016	<0.1		0.06 (J)	<0.1	0.06 (J)
9/8/2016		0.12			
11/7/2016				<0.1	
11/8/2016	<0.1	0.13	0.09 (J)		0.06 (J)
1/10/2017	<0.1	0.15	<0.1	<0.1	0.04 (J)
3/15/2017	<0.1		<0.1	<0.1	
3/16/2017		0.16			0.06 (J)
5/15/2017		0.2			
5/16/2017	<0.1		0.04 (J)	<0.1	0.09 (J)
10/3/2017	<0.1	0.25	0.07 (J)	<0.1	0.13
12/20/2017		0.25			0.1
3/13/2018	<0.1	0.26	<0.1	<0.1	0.1
6/6/2018	<0.1				
6/7/2018		0.28	<0.1	<0.1	0.14
10/17/2018		0.29	0.06 (J)	<0.1	0.14
10/18/2018	<0.1				
2/27/2019					0.16
2/28/2019	<0.1	0.28	<0.1	<0.1	
5/31/2019	<0.1	0.33	<0.1	<0.1	0.2
11/11/2019	<0.1	0.26	<0.1	<0.1	0.16
4/18/2020	<0.1	0.25	<0.1	<0.1	0.17
10/8/2020		<0.1			0.07 (J)
10/9/2020	<0.1		0.04 (J)	<0.1	
3/31/2021	<0.1				
4/1/2021		0.26	0.04	0.032	0.19
9/7/2021	<0.1	0.24	0.7	<0.1	0.17
3/24/2022	<0.1	0.22	<0.1	<0.1	0.14
9/12/2022	<0.1	0.15 (J)	<0.1		<0.1
9/16/2022				4.6	
4/10/2023	<0.1		<0.1	0.81	
4/11/2023		0.19			0.17
Mean	0.09732	0.2048	0.1209	0.3308	0.1152
Std. Dev.	0.01258	0.07185	0.1339	0.9659	0.04962
Upper Lim.	0.1	0.2424	0.12	0.81	0.1412
Lower Lim.	0.041	0.1672	0.07	0.035	0.08926

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305
3/3/2016	<0.0013	<0.0013	<0.0013	<0.0013
5/4/2016	<0.0013	<0.0013	0.00086 (J)	<0.0013
7/6/2016		<0.0013	0.0014	
7/7/2016	<0.0013			<0.0013
9/7/2016	<0.0013		0.00056 (J)	<0.0013
9/8/2016		<0.0013		
11/7/2016				<0.0013
11/8/2016	<0.0013	<0.0013	0.00047 (J)	
1/10/2017	<0.0013	<0.0013	0.00041 (J)	<0.0013
3/15/2017	<0.0013		<0.0013	<0.0013
3/16/2017		<0.0013		
5/15/2017		<0.0013		
5/16/2017	<0.0013		<0.0013	<0.0013
3/13/2018	<0.0013	<0.0013	<0.0013	<0.0013
6/6/2018	<0.0013			
6/7/2018		<0.0013	<0.0013	<0.0013
2/28/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/18/2020	8.3E-05 (J)	0.00011 (J)	0.00022 (J)	<0.0013
10/8/2020		<0.0013		
10/9/2020	<0.0013		0.00048 (J)	<0.0013
3/31/2021	0.00039			
4/1/2021		<0.0013	<0.0013	<0.0013
9/7/2021	<0.0013	<0.0013	<0.0013	<0.0013
3/24/2022	<0.0013	<0.0013	<0.0013	<0.0013
9/12/2022	<0.0013	<0.0013	<0.0013	
9/16/2022				0.0019
4/10/2023	<0.0013		<0.0013	<0.0013
4/11/2023		<0.0013		
Mean	0.001182	0.001234	0.001039	0.001333
Std. Dev.	0.0003479	0.0002805	0.000409	0.0001414
Upper Lim.	0.0013	0.0013	0.0013	0.0019
Lower Lim.	0.00039	0.00011	0.00048	0.0013

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.005	0.037	<0.005	<0.005	<0.005
5/4/2016	<0.005	0.029	<0.005	<0.005	<0.005
7/6/2016		0.024	0.0044 (J)		<0.005
7/7/2016	<0.005			<0.005	
9/7/2016	<0.005		<0.005	<0.005	<0.005
9/8/2016		0.022			
11/7/2016				<0.005	
11/8/2016	<0.005	0.026	<0.005		<0.005
1/10/2017	<0.005	0.024	<0.005	<0.005	<0.005
3/15/2017	<0.005		<0.005	<0.005	
3/16/2017		0.029			<0.005
5/15/2017		0.025			
5/16/2017	<0.005		<0.005	<0.005	<0.005
3/13/2018	<0.005	0.03	<0.005	<0.005	<0.005
6/6/2018	<0.005				
6/7/2018		0.025	0.0012 (J)	0.0014 (J)	0.0011 (J)
10/17/2018		0.024	<0.005	<0.005	<0.005
10/18/2018	<0.005				
2/27/2019					0.0011 (J)
2/28/2019	<0.005	0.021	<0.005	<0.005	
5/31/2019	0.0014 (J)	0.021	0.0023 (J)	<0.005	0.0021 (J)
11/11/2019	0.00062 (J)	0.023	0.0034	0.00054 (J)	0.0013
4/18/2020	0.00062 (J)	0.023	0.0012	0.00047 (J)	<0.005
10/8/2020		0.029			<0.005
10/9/2020	<0.005		<0.005	<0.005	
3/31/2021	0.0036				
4/1/2021		0.022	0.0027	0.0025	<0.005
9/7/2021	<0.005	0.023	0.0096	<0.005	<0.005
3/24/2022	<0.005	0.021	<0.005	<0.005	<0.005
9/12/2022	<0.005	<0.005	<0.005		<0.005
9/16/2022				0.006	
4/10/2023	<0.005		<0.005	<0.005	
4/11/2023		0.016			<0.005
Mean	0.004345	0.02364	0.004514	0.004329	0.004314
Std. Dev.	0.001488	0.00651	0.00174	0.0016	0.00146
Upper Lim.	0.005	0.02735	0.005	0.006	0.005
Lower Lim.	0.0036	0.02123	0.0034	0.0025	0.0021

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-304	MW-305	MW-308
3/3/2016	<0.0002	8.6E-05 (J)	<0.0002	<0.0002
5/4/2016	<0.0002	0.00026	<0.0002	<0.0002
7/6/2016		0.0012		<0.0002 (*)
7/7/2016	<0.0002		<0.0002	
9/7/2016	<0.0002	<0.0002	<0.0002	<0.0002
11/7/2016			<0.0002	
11/8/2016	<0.0002	0.00065		<0.0002
1/10/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/15/2017	<0.0002	<0.0002	<0.0002	
3/16/2017				<0.0002
5/16/2017	<0.0002	0.00042	<0.0002	<0.0002
3/13/2018	<0.0002	0.00039	<0.0002	<0.0002
6/6/2018	<0.0002			
6/7/2018		0.00033	<0.0002	<0.0002
10/17/2018		0.00041	<0.0002	<0.0002
10/18/2018	<0.0002			
2/27/2019				<0.0002
2/28/2019	<0.0002	0.00055	<0.0002	
5/31/2019	<0.0002	0.00054	<0.0002	<0.0002
11/11/2019	<0.0002	0.0011	<0.0002	<0.0002
4/18/2020	<0.0002	0.00082	<0.0002	<0.0002
10/8/2020				8.7E-05 (J)
10/9/2020	<0.0002	0.00033	0.00014 (J)	
3/31/2021	0.00019			
4/1/2021		0.00012	<0.0002	0.00042
9/7/2021	<0.0002	<0.0002	<0.0002	<0.0002
3/24/2022	<0.0002	<0.0002	0.0018	<0.0002
9/12/2022	<0.0002	0.00016 (J)		<0.0002
9/16/2022			0.0025	
4/10/2023	<0.0002	<0.0002	0.00046	
4/11/2023				<0.0002
Mean	0.0001995	0.0004079	0.0003952	0.0002051
Std. Dev.	2.182E-06	0.0003094	0.0005967	5.506E-05
Upper Lim.	0.0002	0.00055	0.00046	0.00042
Lower Lim.	0.00019	0.0002	0.00014	8.7E-05

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.99	<0.015	<0.015	<0.015
5/4/2016	0.99	<0.015	<0.015	<0.015
7/6/2016	1.9	0.0018 (J)		<0.015
7/7/2016			<0.015	
9/7/2016		0.0029 (J)	<0.015	<0.015
9/8/2016	2.4			
11/7/2016			<0.015	
11/8/2016	2.2	<0.015		<0.015
1/10/2017	2.1	<0.015 (*)	<0.015	<0.015
3/15/2017		<0.015	<0.015	
3/16/2017	1.6			<0.015
5/15/2017	1.2			
5/16/2017		<0.015 (*)	<0.015 (*)	<0.015
3/13/2018	1	0.0033 (J)	<0.015	<0.015
6/7/2018	1.1	0.0065 (J)	0.0016 (J)	0.00098 (J)
10/17/2018	1.1	0.0043 (J)	<0.015	<0.015
2/27/2019				<0.015
2/28/2019	0.77	0.0028 (J)	<0.015	
5/31/2019	0.64	<0.015	<0.015	<0.015
11/11/2019	0.85	0.0056 (J)	<0.015	<0.015
4/18/2020	0.81	<0.015	<0.015	<0.015
10/8/2020	0.5			<0.015
10/9/2020		<0.015	<0.015	
4/1/2021	0.49	<0.015	<0.015	<0.015
9/7/2021	0.44	<0.015	<0.015	<0.015
3/24/2022	0.53	<0.015	0.00033 (J)	0.002 (J)
9/12/2022	0.44	<0.015		0.0022 (J)
9/16/2022			<0.015	
4/10/2023		<0.015	<0.015	
4/11/2023	0.34			0.0037 (J)
Mean	1.066	0.0113	0.01366	0.01257
Std. Dev.	0.6238	0.005446	0.004226	0.005161
Upper Lim.	1.41	0.015	0.015	0.015
Lower Lim.	0.7221	0.0043	0.0016	0.0037

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0013	0.008	0.0041 (J)	<0.0013	0.0051 (J)
5/4/2016	<0.0013	0.0068	0.008	<0.0013	0.0049
7/6/2016		0.0061	0.0056		0.0066
7/7/2016	<0.0013			<0.0013	
9/7/2016	<0.0013		0.0045	<0.0013	0.0073
9/8/2016		0.0065			
11/7/2016				<0.0013	
11/8/2016	<0.0013	0.0046	0.0055		0.0058
1/10/2017	<0.0013	0.0045	0.0056	<0.0013	0.0058
3/15/2017	<0.0013		0.0088	<0.0013	
3/16/2017		0.0079			0.006
5/15/2017		0.0064			
5/16/2017	<0.0013		0.0029	<0.0013	0.0058
3/13/2018	<0.0013	0.0037	0.0065	<0.0013	0.0048
6/6/2018	<0.0013				
6/7/2018		0.0054	0.0047	<0.0013	0.0061
10/17/2018		0.0026	0.05 (o)	<0.0013	0.0023
10/18/2018	<0.0013				
2/27/2019					0.0033
2/28/2019	<0.0013	0.002	0.0011 (J)	<0.0013	
5/31/2019	<0.0013	0.0041	0.0045	<0.0013	0.0031
11/11/2019	<0.0013	0.0031	0.0067	0.00027	0.002
4/18/2020	<0.0013	0.0035	0.0066	<0.0013	0.0021
10/8/2020		0.0014			0.0047
10/9/2020	<0.0013		0.0057	<0.0013	
3/31/2021	<0.0013				
4/1/2021		0.004	0.0038	<0.0013	0.0027
9/7/2021	<0.0013	0.0046	0.0069	<0.0013	0.0045
3/24/2022	<0.0013	0.0042	0.0025	0.00077	0.0028
9/12/2022	0.0045	0.011	0.0075		0.012
9/16/2022				0.21	
4/10/2023	0.00087 (J)		0.0021	0.02	
4/11/2023		0.0053			0.0036
Mean	0.001432	0.005033	0.00518	0.01205	0.004824
Std. Dev.	0.0007092	0.002243	0.002038	0.04554	0.002281
Upper Lim.	0.0045	0.00627	0.006337	0.02	0.006082
Lower Lim.	0.00087	0.003796	0.004023	0.00077	0.003566

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 12:16 PM View: 300 Series Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-304	MW-308
3/3/2016	0.00023 (J)	0.00015 (J)	0.00023 (J)
5/4/2016	0.00021 (J)	0.00021 (J)	0.00026 (J)
7/6/2016	0.00016 (J)	0.00022 (J)	0.00032 (J)
9/7/2016		0.0001 (J)	0.00036 (J)
9/8/2016	0.00015 (J)		
11/8/2016	0.00017 (J)	0.00014 (J)	0.00032 (J)
1/10/2017	0.00018 (J)	0.00018 (J)	0.00033 (J)
3/15/2017		<0.0005	
3/16/2017	0.00024 (J)		0.00029 (J)
5/15/2017	0.00022 (J)		
5/16/2017		9.5E-05 (J)	0.00027 (J)
3/13/2018	0.00022 (J)	0.00017 (J)	0.00028 (J)
6/7/2018	0.00022 (J)	0.00017 (J)	0.00026 (J)
10/17/2018	0.00019 (J)	0.00011 (J)	0.00022 (J)
2/27/2019			0.00022 (J)
2/28/2019	0.00018 (J)	0.00016 (J)	
5/31/2019	<0.0005	<0.0005	<0.0005
11/11/2019	0.00023 (J)	0.00029 (J)	0.00023 (J)
4/18/2020	0.00027	0.00026	0.00016
10/8/2020	0.00038 (J)		0.00031 (J)
10/9/2020		0.00015 (J)	
4/1/2021	0.00022	<0.0005	0.00019
9/7/2021	0.00015 (J)	0.00015 (J)	0.00016 (J)
3/24/2022	<0.0005	<0.0005	<0.0005
9/12/2022	<0.0005	<0.0005	<0.0005
4/10/2023		<0.0005	
4/11/2023	<0.0005		<0.0005
Mean	0.0002676	0.0002645	0.0003052
Std. Dev.	0.0001255	0.0001595	0.0001103
Upper Lim.	0.00038	0.0005	0.0003892
Lower Lim.	0.00018	0.00015	0.0002442

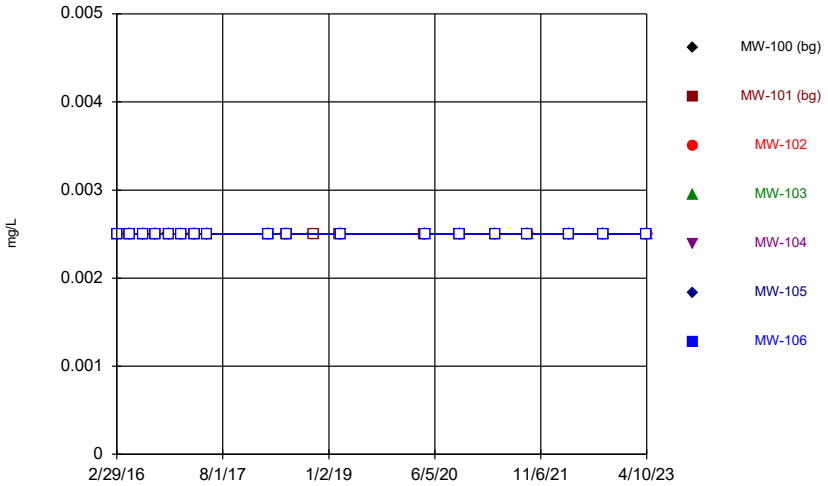
ND substitution: RL or RL/2 if <15% NDs.

Time Series - 100, 200 & 300 Series

100 Series

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

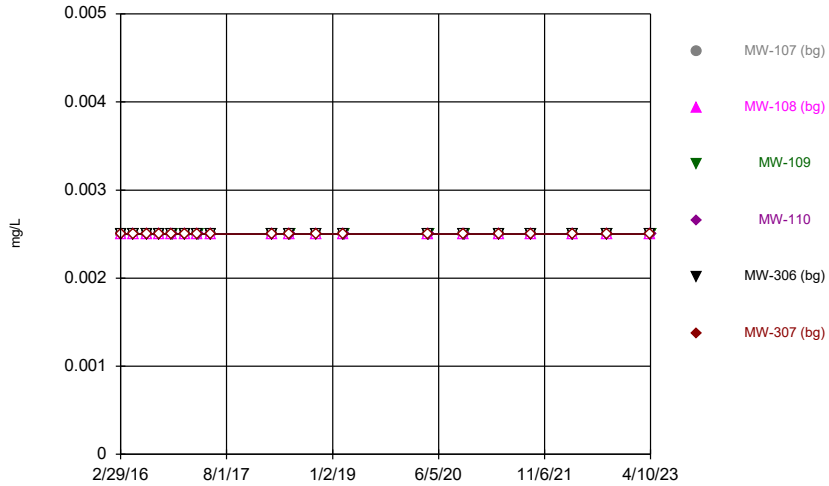
Time Series



Constituent: Antimony Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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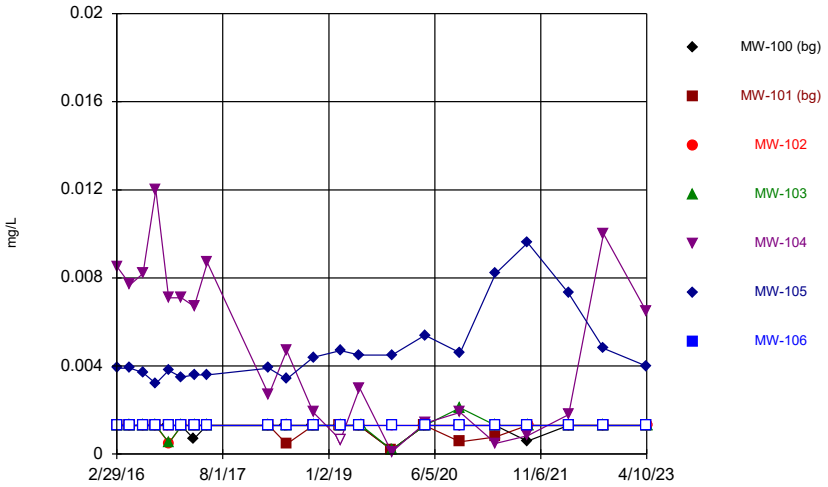
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

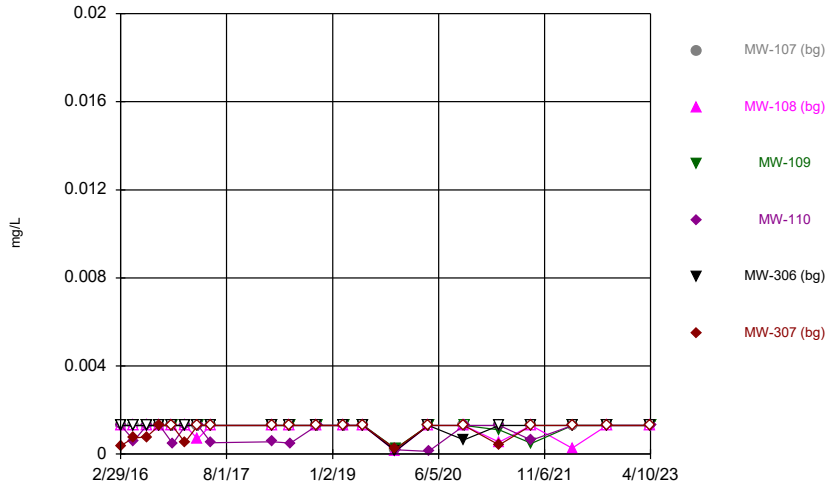
Time Series



Constituent: Arsenic Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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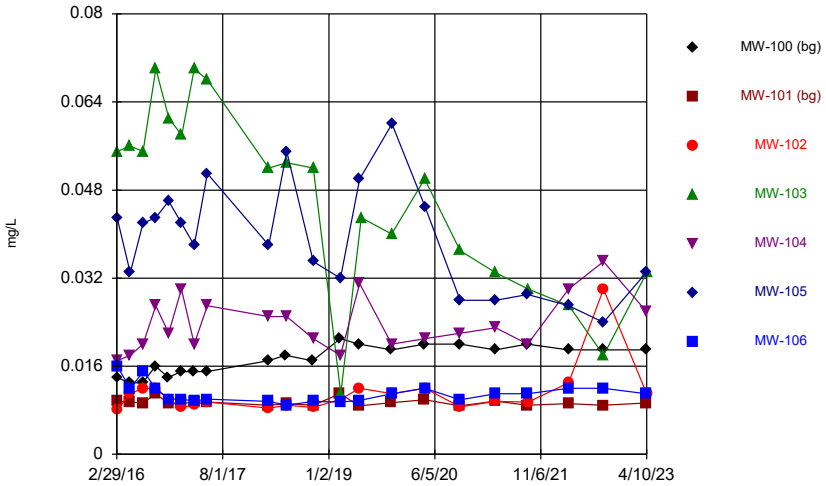
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

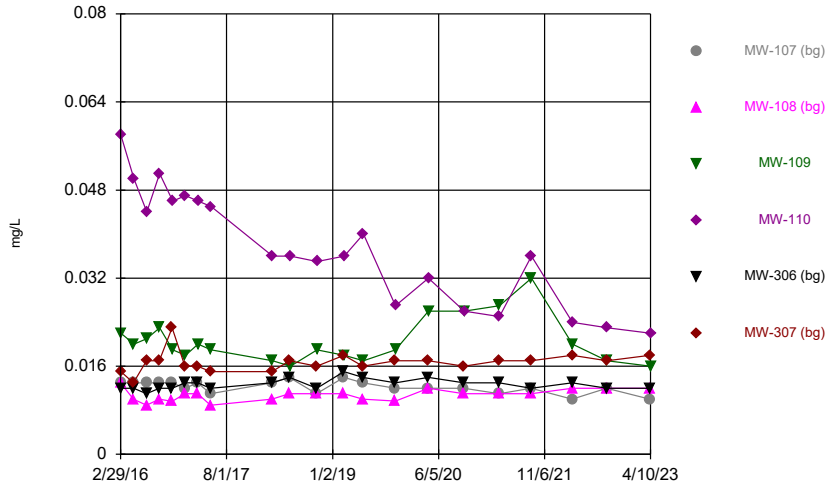
Time Series



Constituent: Barium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Time Series



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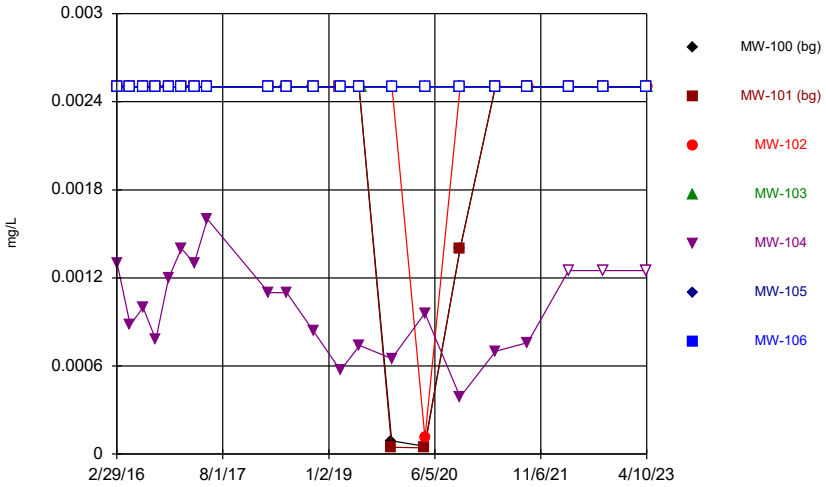
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

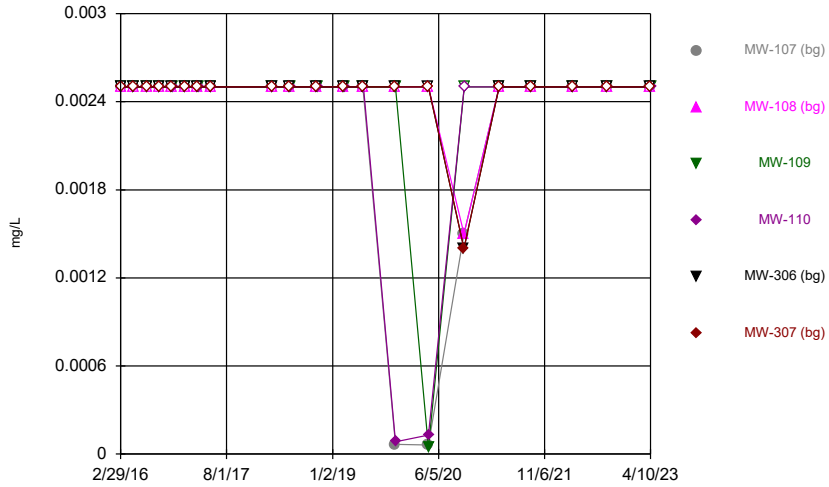
Time Series



Constituent: Beryllium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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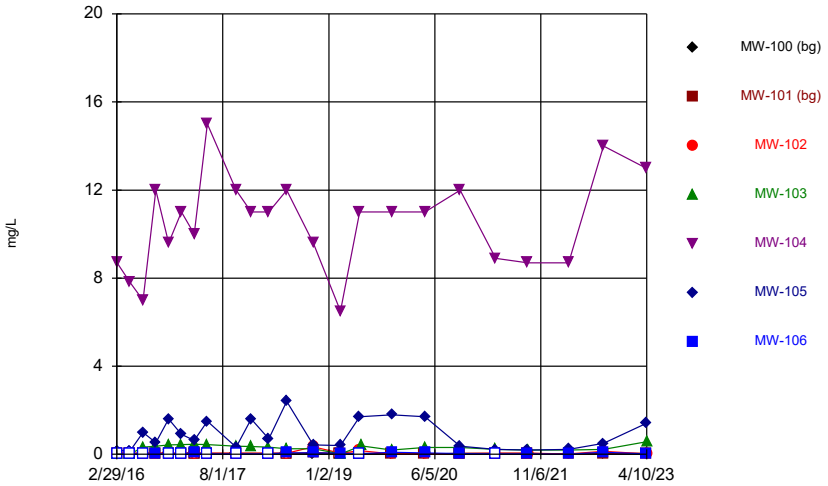
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

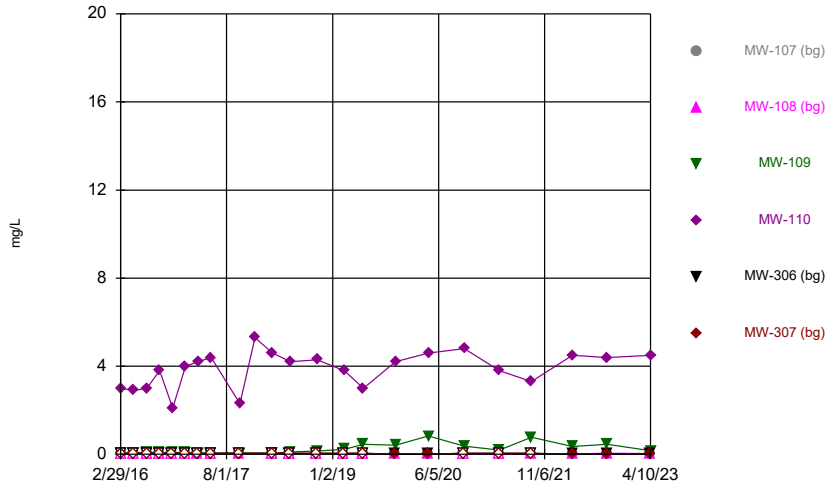
Time Series



Constituent: Boron Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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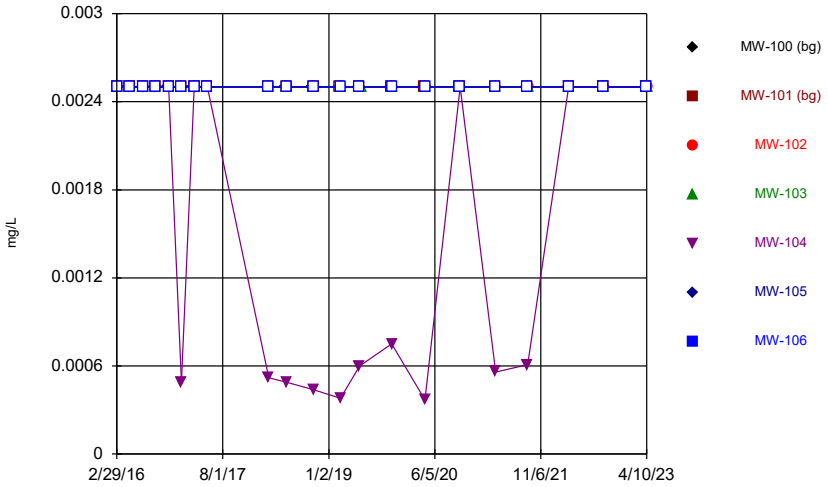
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

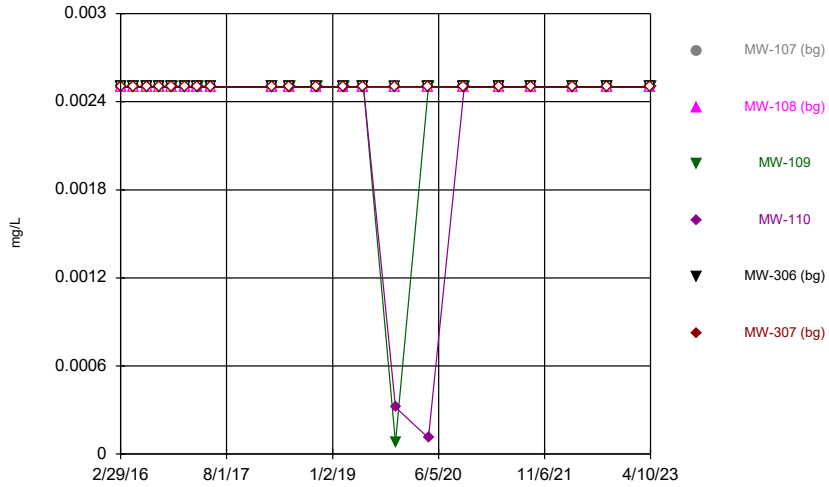
Time Series



Constituent: Cadmium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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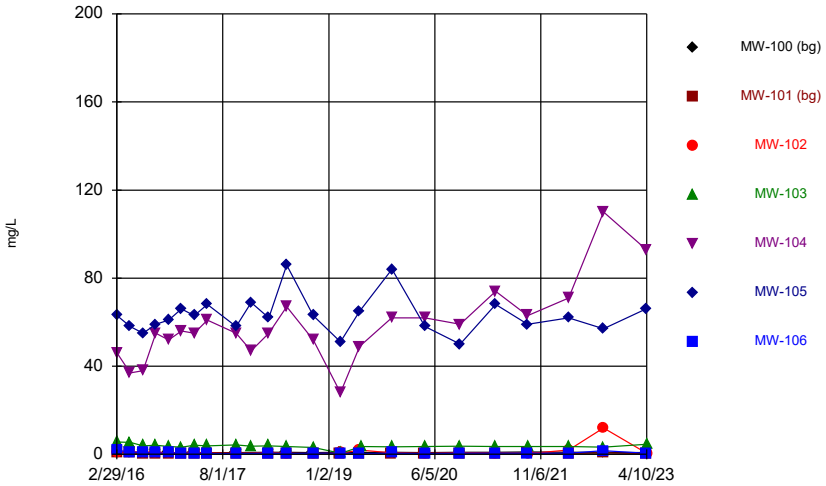
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

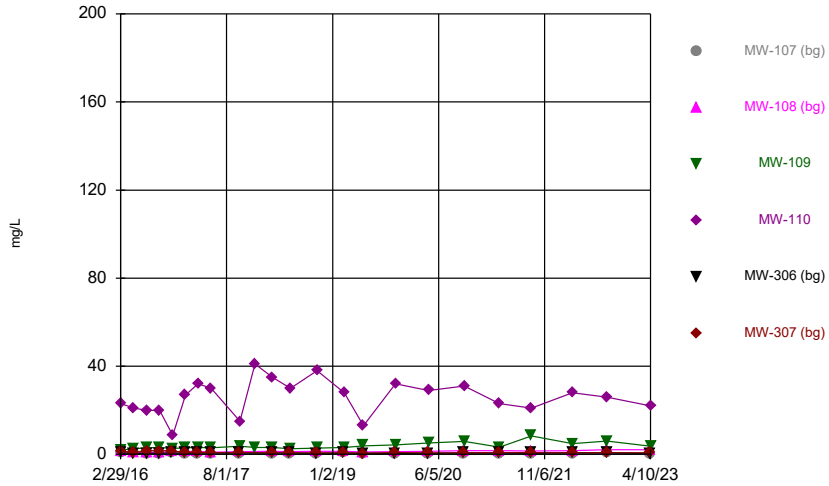
Time Series



Constituent: Calcium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

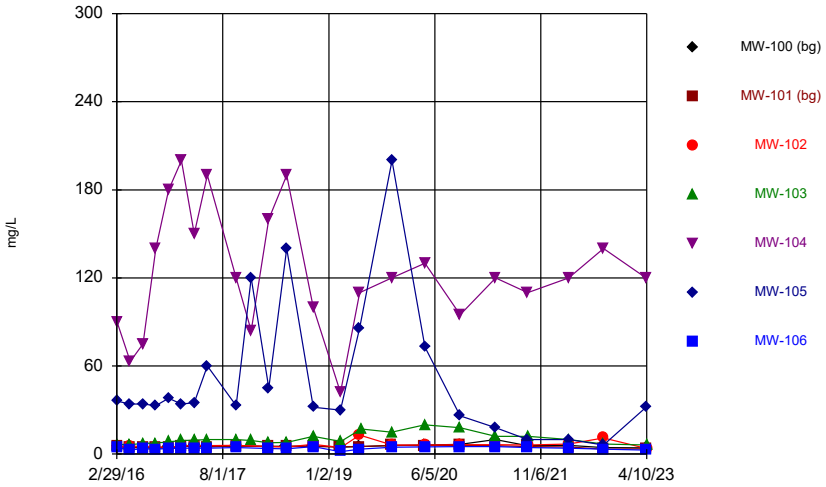
Time Series



Constituent: Calcium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

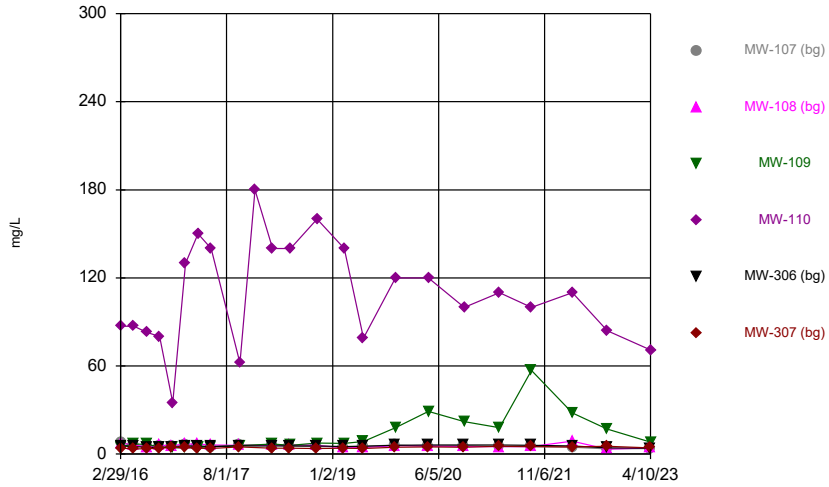
Time Series



Constituent: Chloride Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

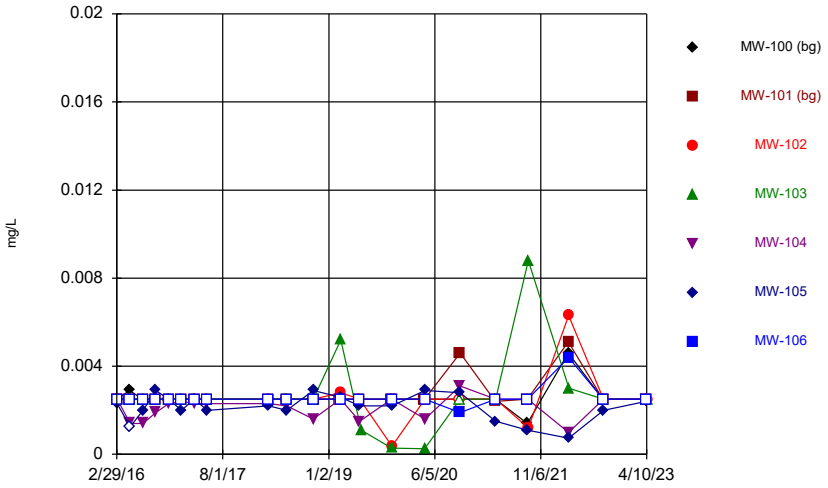
Time Series



Constituent: Chloride Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

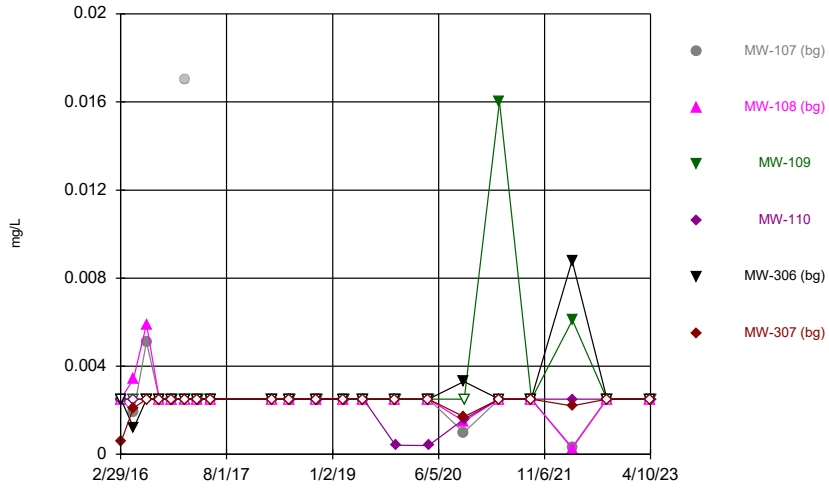
Time Series



Constituent: Chromium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

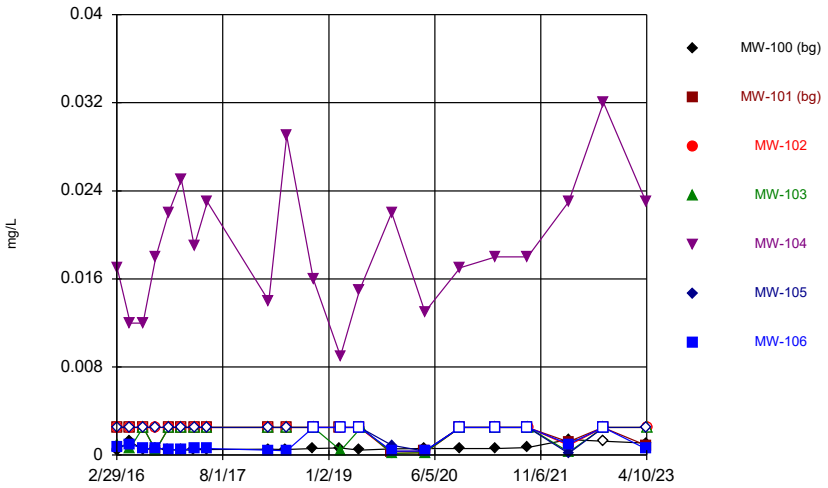
Time Series



Constituent: Chromium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

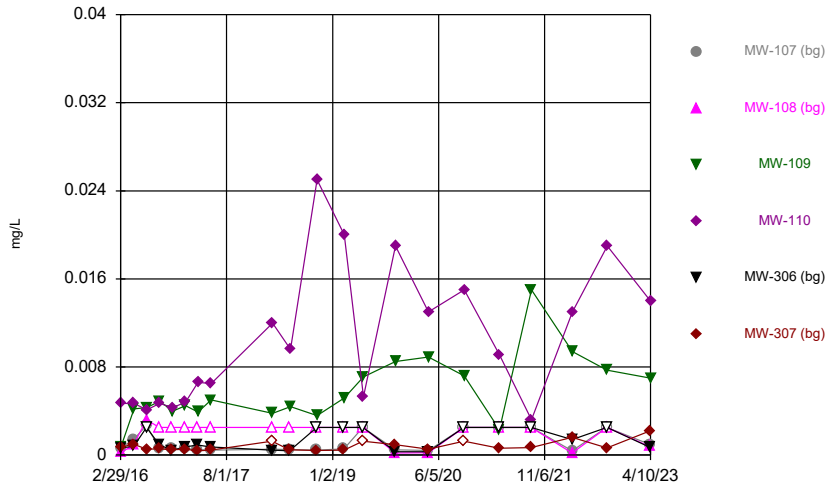
Time Series



Constituent: Cobalt Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

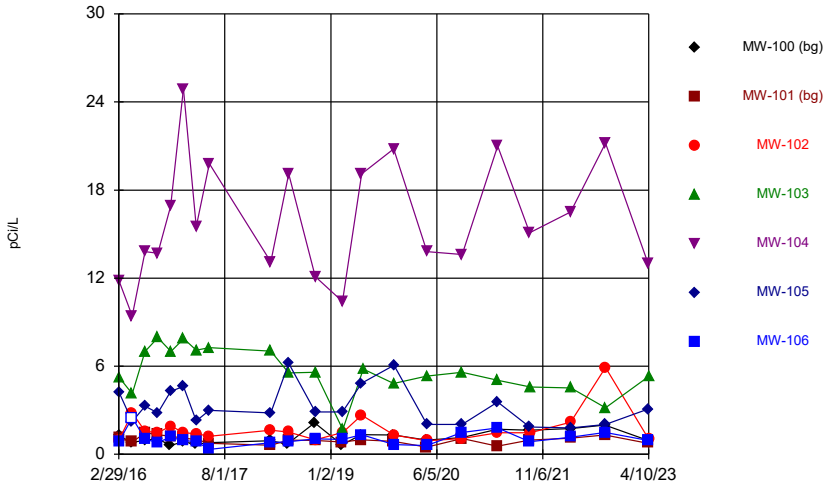
Time Series



Constituent: Cobalt Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

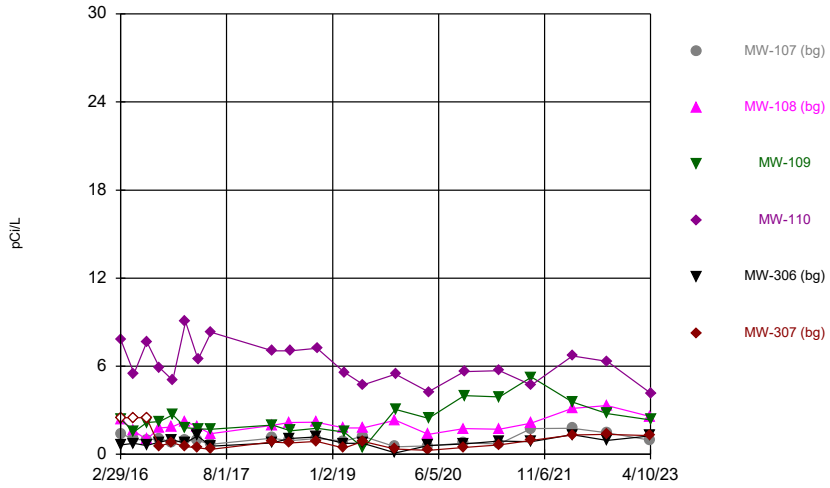
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

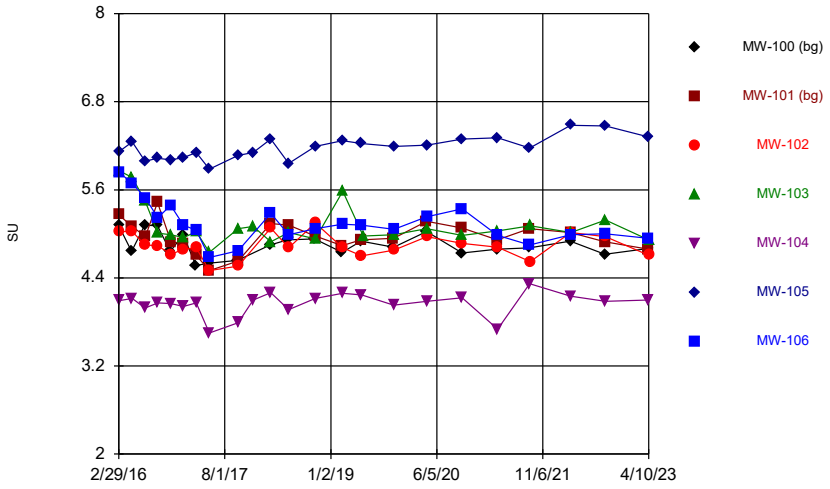
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

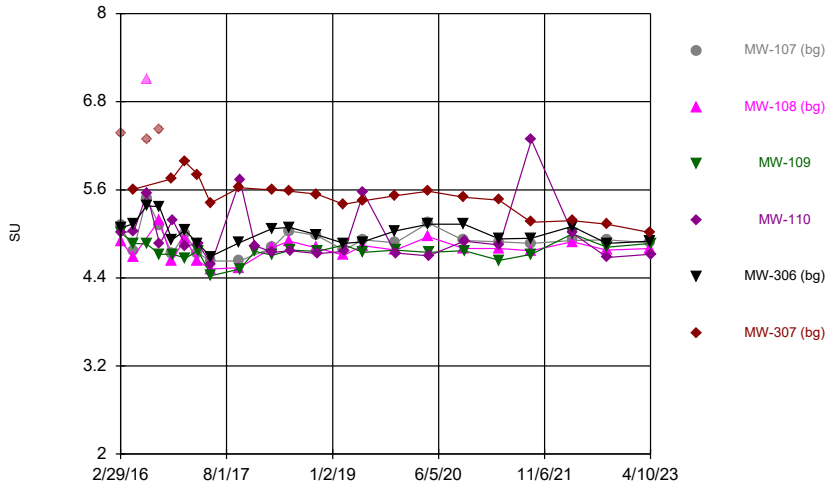
Time Series



Constituent: Field pH Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

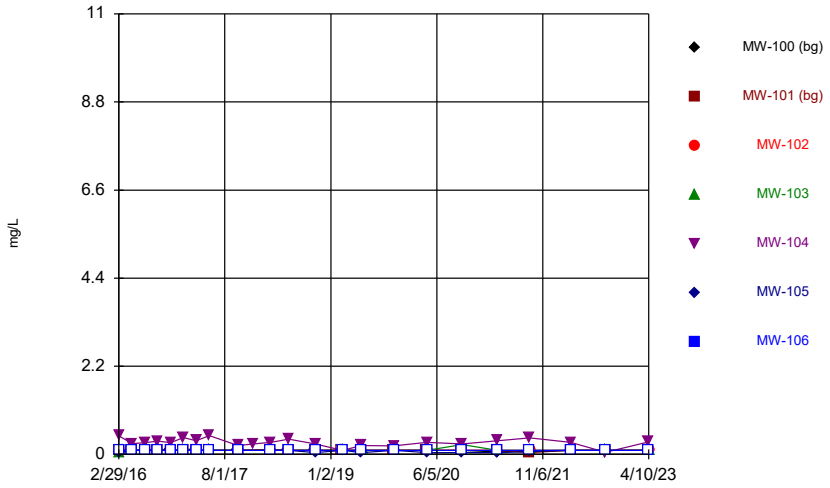
Time Series



Constituent: Field pH Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

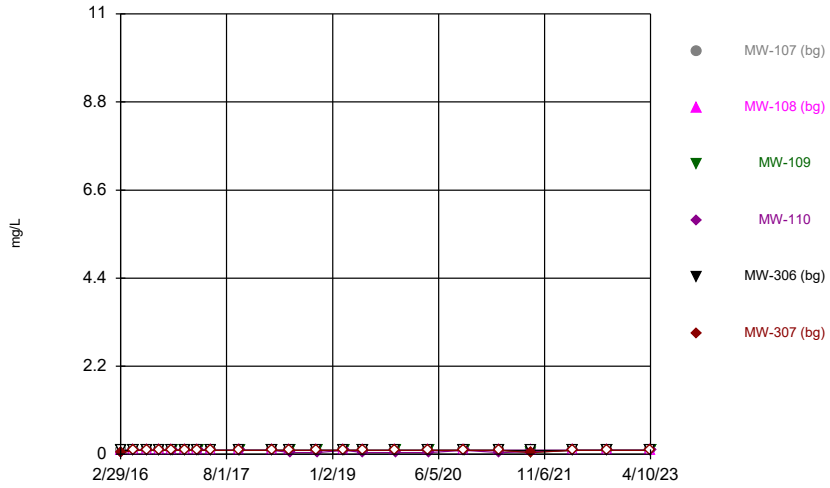
Time Series



Constituent: Fluoride Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

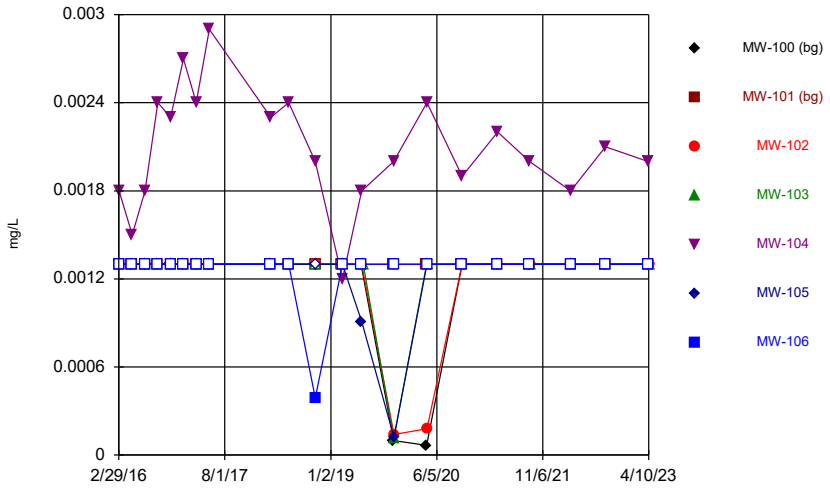
Time Series



Constituent: Fluoride Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

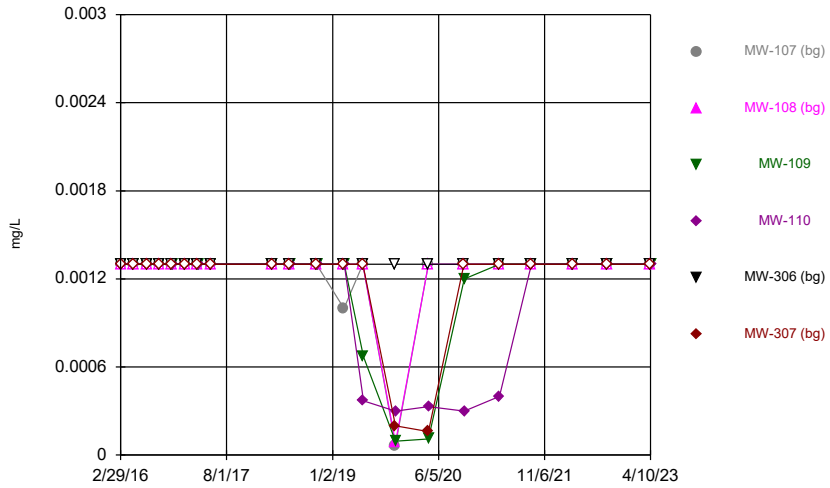
Time Series



Constituent: Lead Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

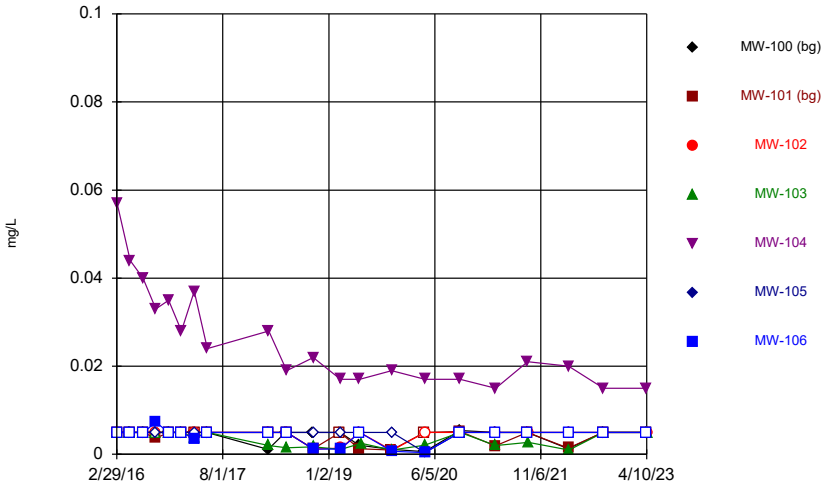
Time Series



Constituent: Lead Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

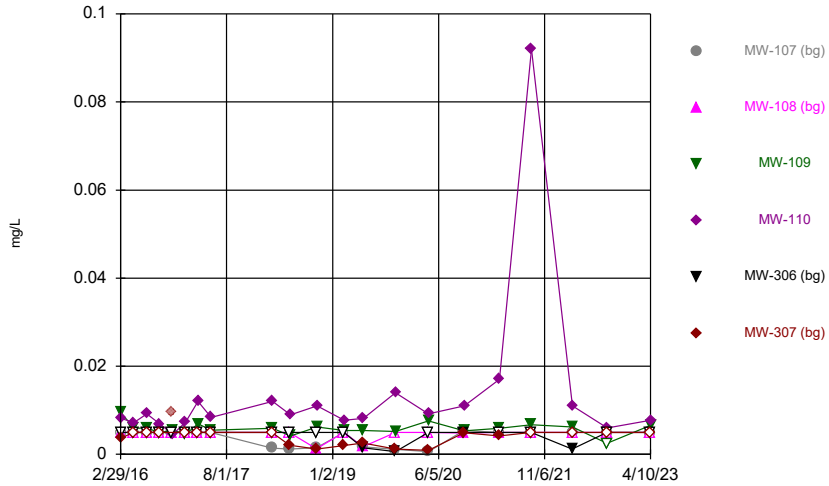
Time Series



Constituent: Lithium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

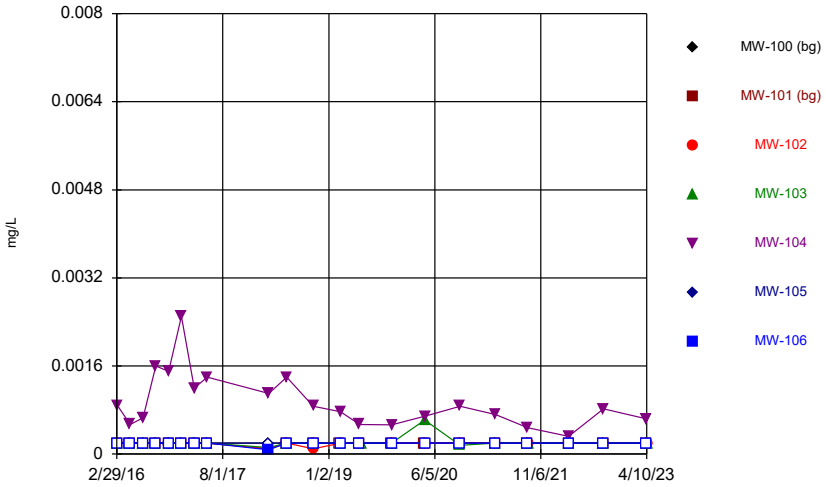
Time Series



Constituent: Lithium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

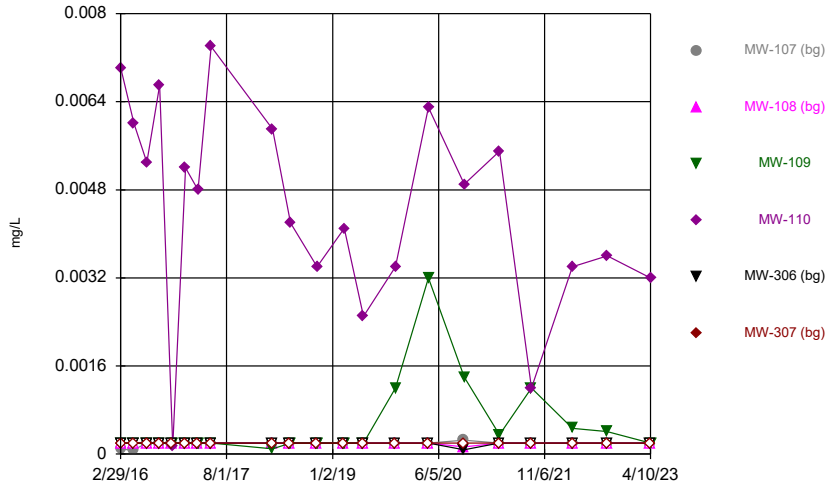
Time Series



Constituent: Mercury Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

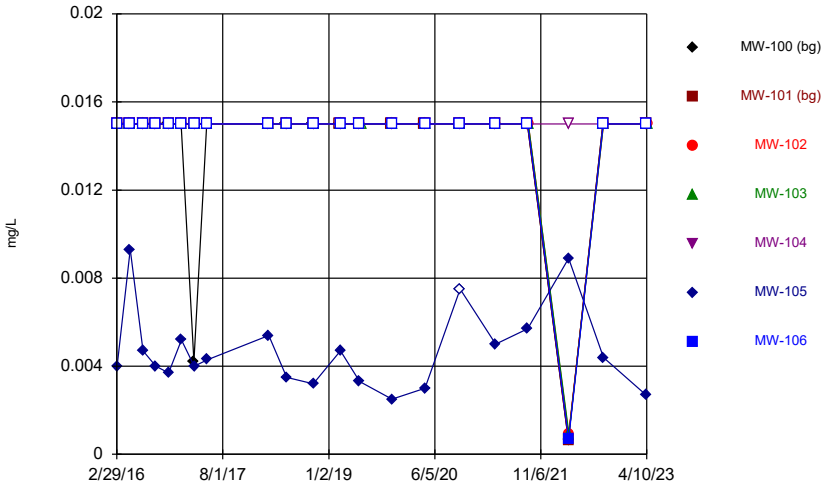
Time Series



Constituent: Mercury Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

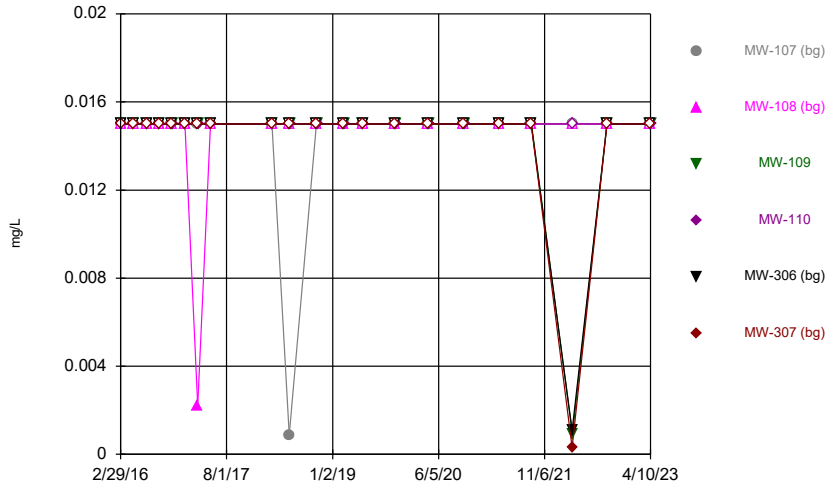
Time Series



Constituent: Molybdenum Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

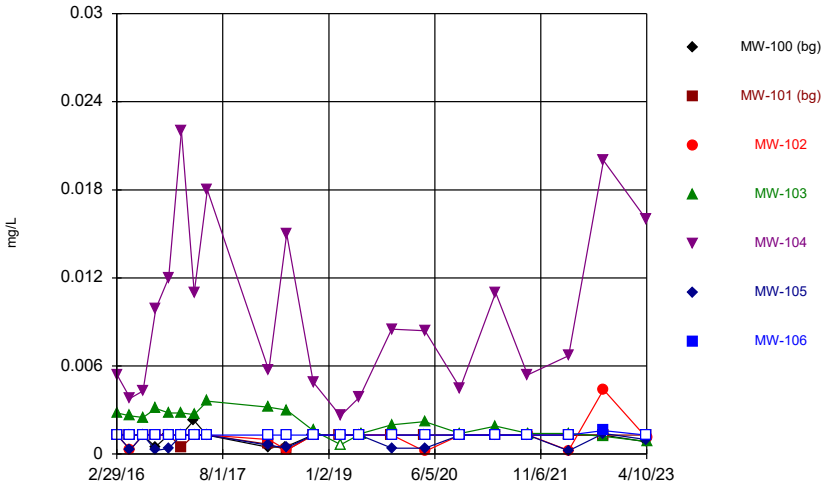
Time Series



Constituent: Molybdenum Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

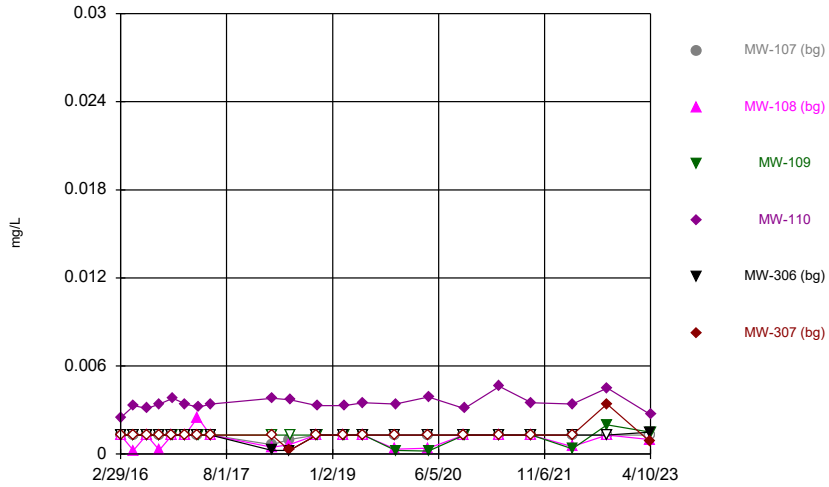
Time Series



Constituent: Selenium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

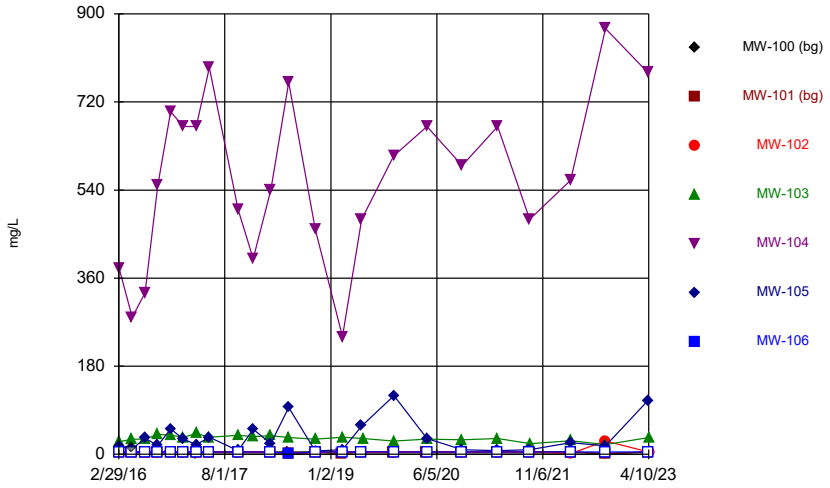
Time Series



Constituent: Selenium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

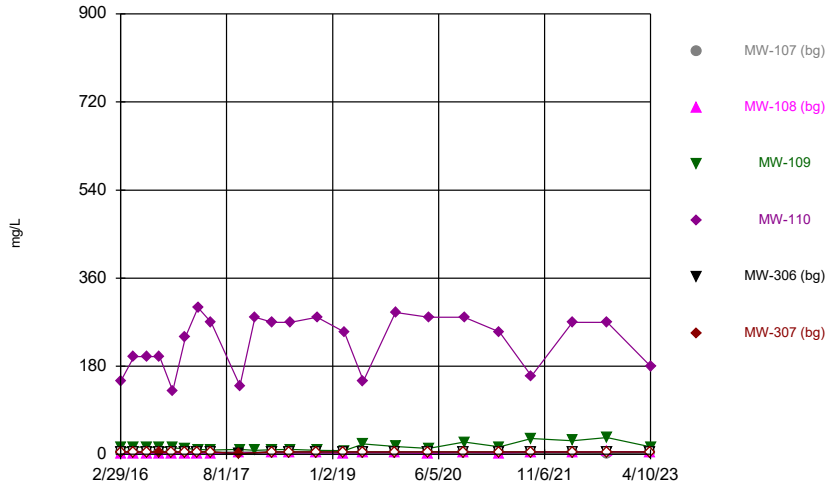
Time Series



Constituent: Sulfate Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

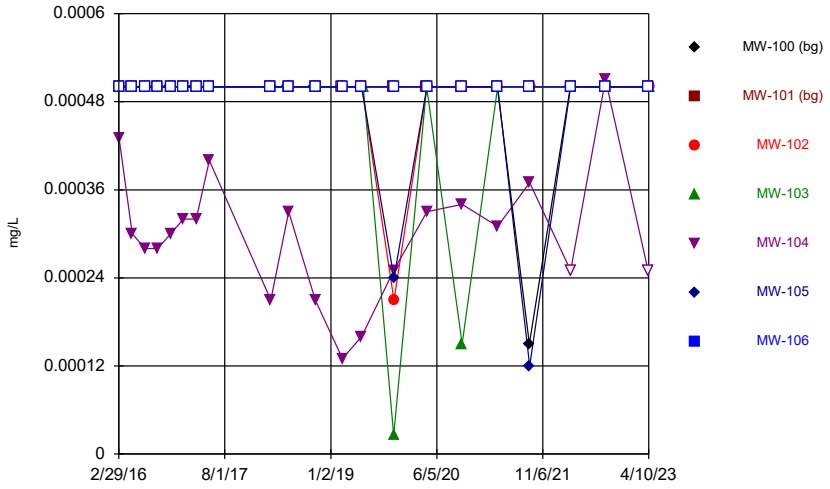
Time Series



Constituent: Sulfate Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

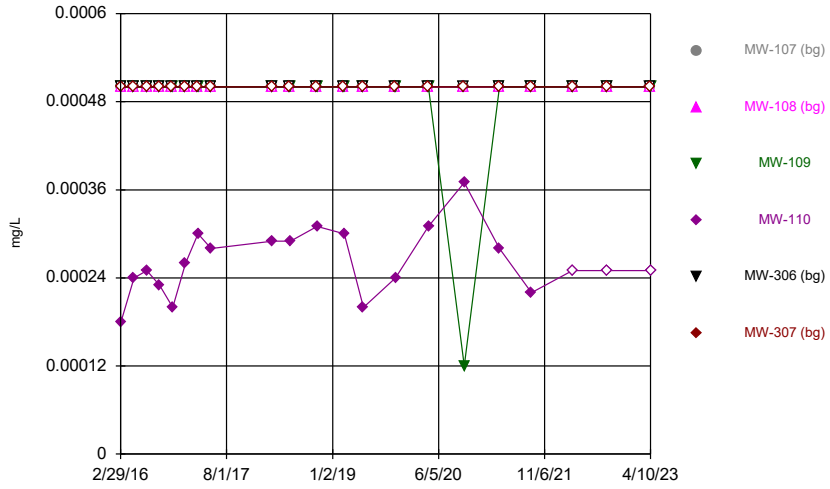
Time Series



Constituent: Thallium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

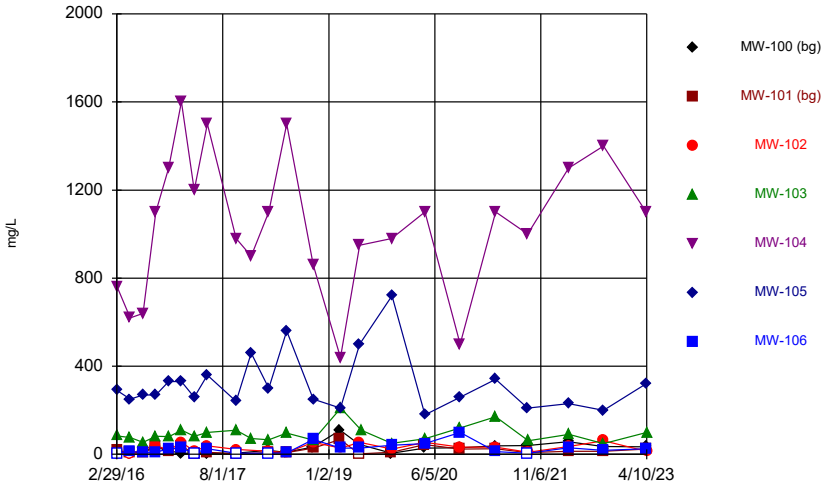
Time Series



Constituent: Thallium Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

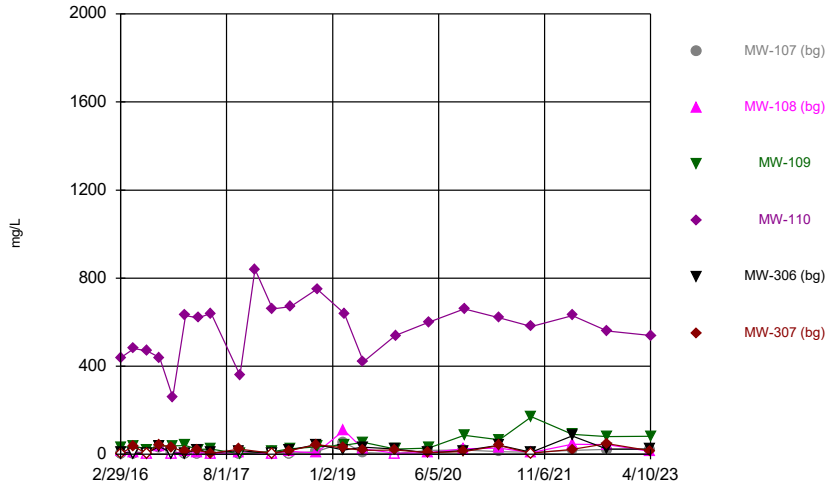
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:53 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0025					
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0025	<0.0025	<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025						
11/9/2016					<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0025			<0.0025	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0025			<0.0025	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0025					
2/27/2019	<0.0025	<0.0025					
3/1/2019					<0.0025	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
4/16/2020	<0.0025	<0.0025					
4/17/2020				<0.0025			<0.0025
4/18/2020			<0.0025		<0.0025	<0.0025	
10/7/2020	<0.0025	<0.0025					
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/29/2021	<0.0025	<0.0025					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					<0.0025		
9/2/2021	<0.0025	<0.0025					
9/3/2021					<0.0025	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0025	<0.0025					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0025	<0.0025					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025				
3/1/2016					<0.0025	<0.0025
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0025	<0.0025				<0.0025
5/3/2016					<0.0025	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0025	<0.0025			<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0025	<0.0025			<0.0025	<0.0025
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0025	<0.0025			<0.0025	<0.0025
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0025	<0.0025			<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0025	<0.0025			<0.0025	<0.0025
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0025	<0.0025				
6/6/2018					<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0025	<0.0025				
10/17/2018					<0.0025	<0.0025
2/27/2019	<0.0025	<0.0025			<0.0025	<0.0025
3/1/2019			<0.0025	<0.0025		
4/16/2020	<0.0025	<0.0025			<0.0025	<0.0025
4/17/2020			<0.0025	<0.0025		
10/7/2020	<0.0025	<0.0025			<0.0025	<0.0025
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0025	<0.0025			<0.0025	<0.0025
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0025			<0.0025	<0.0025
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0025	<0.0025			<0.0025	<0.0025
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0025					
9/8/2022		<0.0025	<0.0025		<0.0025	<0.0025
9/9/2022				<0.0025		
4/6/2023	<0.0025	<0.0025				<0.0025
4/7/2023					<0.0025	
4/10/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0013	<0.0013					
3/1/2016			<0.0013	<0.0013	0.0085	0.0039 (J)	<0.0013
5/2/2016	<0.0013						
5/4/2016		<0.0013					<0.0013
5/5/2016			<0.0013	<0.0013	0.0077	0.0039	
7/5/2016	<0.0013						
7/7/2016			<0.0013	<0.0013	0.0082	0.0037	
7/8/2016		<0.0013					<0.0013
9/6/2016	<0.0013	<0.0013	<0.0013				
9/7/2016				<0.0013	0.012	0.0032	<0.0013
11/7/2016	<0.0013						
11/9/2016					0.0071	0.0038	<0.0013
11/10/2016		<0.0013	0.0005 (J)	0.00051 (J)			
1/9/2017	<0.0013						
1/11/2017		<0.0013			0.0071	0.0035	<0.0013
1/12/2017			<0.0013	<0.0013			
3/13/2017	0.00069 (J)						
3/14/2017		<0.0013			0.0067	0.0036	<0.0013
3/15/2017			<0.0013	<0.0013			
5/15/2017	<0.0013						
5/18/2017		<0.0013	<0.0013	<0.0013	0.0087	0.0036	<0.0013
3/12/2018	<0.0013						
3/14/2018		<0.0013	<0.0013	<0.0013	0.0027	0.0039	<0.0013
6/5/2018	<0.0013						
6/10/2018		0.00046 (J)			0.0047	0.0034	<0.0013
6/11/2018			<0.0013	<0.0013			
10/16/2018	<0.0013						
10/18/2018		<0.0013		<0.0013	0.0019	0.0044	<0.0013
10/19/2018			<0.0013				
2/27/2019	<0.0013	<0.0013					
3/1/2019					<0.0013	0.0047	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.0013	<0.0013					
6/3/2019			<0.0013		0.003	0.0045	<0.0013
6/11/2019				<0.0013			
11/6/2019	0.0002 (J)	0.00019 (J)					
11/7/2019				0.00019 (J)	8.9E-05 (J)		
11/9/2019			<0.0013			0.0045	<0.0013
4/16/2020	<0.0013	<0.0013					
4/17/2020				<0.0013			<0.0013
4/18/2020			<0.0013		0.0014	0.0054	
10/7/2020	<0.0013	0.00056 (J)					
10/8/2020			<0.0013	0.0021	0.0019	0.0046	<0.0013
3/29/2021	<0.0013	0.00078					
3/30/2021			<0.0013	<0.0013		0.0082	<0.0013
3/31/2021					0.00048		
9/2/2021	0.00059 (J)	<0.0013					
9/3/2021					0.00084 (J)	0.0096	<0.0013
9/7/2021			<0.0013	<0.0013			
3/22/2022	<0.0013	<0.0013					
3/23/2022			<0.0013		0.0018	0.0073	<0.0013
3/24/2022				<0.0013			

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0013	<0.0013					
9/8/2022							<0.0013
9/9/2022			<0.0013	<0.0013	0.01	0.0048	
4/6/2023	<0.0013	<0.0013					
4/7/2023					0.0065	0.004	<0.0013
4/10/2023			<0.0013	<0.0013			

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013				
3/1/2016					<0.0013	0.00038 (J)
3/2/2016			<0.0013	<0.0013		
5/2/2016	<0.0013	<0.0013				0.00073 (J)
5/3/2016					<0.0013	
5/5/2016			<0.0013	0.00061 (J)		
7/5/2016	<0.0013	<0.0013			<0.0013	0.00077 (J)
7/7/2016			<0.0013	<0.0013		
9/6/2016	<0.0013	<0.0013			<0.0013	0.0013
9/7/2016			<0.0013	<0.0013		
11/7/2016	<0.0013	<0.0013			<0.0013	<0.0013
11/10/2016			<0.0013	0.00047 (J)		
1/9/2017	<0.0013	<0.0013			<0.0013	0.00053 (J)
1/12/2017			<0.0013	<0.0013		
3/13/2017	<0.0013	0.00069 (J)			<0.0013	<0.0013
3/14/2017			<0.0013			
3/15/2017				<0.0013		
5/15/2017	<0.0013	<0.0013			<0.0013	<0.0013
5/18/2017			<0.0013	0.00051 (J)		
3/12/2018	<0.0013	<0.0013			<0.0013	<0.0013
3/14/2018			<0.0013	0.00056 (J)		
6/5/2018	<0.0013	<0.0013				
6/6/2018					<0.0013	<0.0013
6/11/2018			<0.0013	0.0005 (J)		
10/16/2018	<0.0013	<0.0013				
10/17/2018					<0.0013	<0.0013
10/18/2018			<0.0013	<0.0013		
2/27/2019	<0.0013	<0.0013			<0.0013	<0.0013
3/1/2019			<0.0013	<0.0013		
5/31/2019	<0.0013	<0.0013			<0.0013	<0.0013
6/3/2019			<0.0013	<0.0013		
11/6/2019	0.0002 (J)	0.00012 (J)			0.00014 (J)	0.00024 (J)
11/7/2019			0.00025 (V)	0.0002 (J)		
4/16/2020	<0.0013	<0.0013			<0.0013	<0.0013
4/17/2020			<0.0013	0.00012 (J)		
10/7/2020	<0.0013	<0.0013			0.00064 (J)	<0.0013
10/9/2020			<0.0013	<0.0013		
3/29/2021	<0.0013	0.00054			<0.0013	0.00042
3/31/2021			0.0011	<0.0013		
9/2/2021	<0.0013	<0.0013			<0.0013	<0.0013
9/3/2021			0.00048 (J)	0.00063 (J)		
3/22/2022	<0.0013	0.00027			<0.0013	<0.0013
3/23/2022			<0.0013	<0.0013		
9/7/2022	<0.0013					
9/8/2022		<0.0013	<0.0013		<0.0013	<0.0013
9/9/2022				<0.0013		
4/6/2023	<0.0013	<0.0013				<0.0013
4/7/2023					<0.0013	
4/10/2023			<0.0013	<0.0013		

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

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.014	0.0097 (J)					
3/1/2016			0.0081 (J)	0.055	0.017	0.043	0.016
5/2/2016	0.013						
5/4/2016		0.0095					0.012
5/5/2016			0.011	0.056	0.018	0.033	
7/5/2016	0.013						
7/7/2016			0.012	0.055	0.02	0.042	
7/8/2016		0.0093					0.015
9/6/2016	0.016	0.011	0.012				
9/7/2016				0.07	0.027	0.043	0.012
11/7/2016	0.014						
11/9/2016					0.022	0.046	0.01
11/10/2016		0.0092	0.0099	0.061			
1/9/2017	0.015						
1/11/2017		0.0092			0.03	0.042	0.01
1/12/2017			0.0085	0.058			
3/13/2017	0.015						
3/14/2017		0.0095			0.02	0.038	0.0097
3/15/2017			0.009	0.07			
5/15/2017	0.015						
5/18/2017		0.0095	0.0095	0.068	0.027	0.051	0.01
3/12/2018	0.017						
3/14/2018		0.0089	0.0084	0.052	0.025	0.038	0.0096
6/5/2018	0.018						
6/10/2018		0.0092			0.025	0.055	0.0089
6/11/2018			0.0089	0.053			
10/16/2018	0.017						
10/18/2018		0.0089		0.052	0.021	0.035	0.0096
10/19/2018			0.0085				
2/27/2019	0.021	0.011					
3/1/2019					0.018	0.032	0.0095
3/2/2019			0.01	0.011			
5/31/2019	0.02	0.0088					
6/3/2019			0.012		0.031	0.05	0.0098
6/11/2019				0.043			
11/6/2019	0.019	0.0094					
11/7/2019				0.04	0.02		
11/9/2019			0.011			0.06	0.011
4/16/2020	0.02	0.0099					
4/17/2020				0.05			0.012
4/18/2020			0.012		0.021	0.045	
10/7/2020	0.02	0.0088					
10/8/2020			0.0086	0.037	0.022	0.028	0.0099
3/29/2021	0.019	0.0097					
3/30/2021			0.0096	0.033		0.028	0.011
3/31/2021					0.023		
9/2/2021	0.02	0.0089					
9/3/2021					0.02	0.029	0.011
9/7/2021			0.0095	0.03			
3/22/2022	0.019	0.0092					
3/23/2022			0.013		0.03	0.027	0.012
3/24/2022				0.027			

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	0.019	0.0089					
9/8/2022							0.012
9/9/2022			0.03	0.018	0.035	0.024	
4/6/2023	0.019	0.0093					
4/7/2023					0.026	0.033	0.011
4/10/2023			0.011	0.033			

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.013	0.013				
3/1/2016					0.012	0.015
3/2/2016			0.022	0.058		
5/2/2016	0.013	0.01				0.013
5/3/2016					0.012	
5/5/2016			0.02	0.05		
7/5/2016	0.013	0.0089			0.011	0.017
7/7/2016			0.021	0.044		
9/6/2016	0.013	0.01			0.012	0.017
9/7/2016			0.023	0.051		
11/7/2016	0.013	0.0096			0.012	0.023
11/10/2016			0.019	0.046		
1/9/2017	0.012	0.011			0.013	0.016
1/12/2017			0.018	0.047		
3/13/2017	0.013	0.011			0.013	0.016
3/14/2017			0.02			
3/15/2017				0.046		
5/15/2017	0.011	0.0089			0.012	0.015
5/18/2017			0.019	0.045		
3/12/2018	0.013	0.01			0.013	0.015
3/14/2018			0.017	0.036		
6/5/2018	0.014	0.011				
6/6/2018					0.014	0.017
6/11/2018			0.016	0.036		
10/16/2018	0.011	0.011				
10/17/2018					0.012	0.016
10/18/2018			0.019	0.035		
2/27/2019	0.014	0.011			0.015	0.018
3/1/2019			0.018	0.036		
5/31/2019	0.013	0.01			0.014	0.016
6/3/2019			0.017	0.04		
11/6/2019	0.012	0.0097			0.013	0.017
11/7/2019			0.019	0.027		
4/16/2020	0.012	0.012			0.014	0.017
4/17/2020			0.026	0.032		
10/7/2020	0.012	0.011			0.013	0.016
10/9/2020			0.026	0.026		
3/29/2021	0.011	0.011			0.013	0.017
3/31/2021			0.027	0.025		
9/2/2021	0.012	0.011			0.012	0.017
9/3/2021			0.032	0.036		
3/22/2022	0.01	0.012			0.013	0.018
3/23/2022			0.02	0.024		
9/7/2022	0.012					
9/8/2022		0.012	0.017		0.012	0.017
9/9/2022				0.023		
4/6/2023	0.01	0.012				0.018
4/7/2023					0.012	
4/10/2023			0.016	0.022		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0025					
3/1/2016			<0.0025	<0.0025	0.0013 (J)	<0.0025	<0.0025
5/2/2016	<0.0025						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	0.00088 (J)	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	0.001 (J)	<0.0025	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0025	<0.0025	<0.0025				
9/7/2016				<0.0025	0.00078 (J)	<0.0025	<0.0025
11/7/2016	<0.0025						
11/9/2016					0.0012 (J)	<0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0025			0.0014 (J)	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0025			0.0013 (J)	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0025	<0.0025	<0.0025	0.0016 (J)	<0.0025	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0025	<0.0025	<0.0025	0.0011 (J)	<0.0025	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0025			0.0011 (J)	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0025		<0.0025	0.00084 (J)	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0025	<0.0025					
3/1/2019					0.00057 (J)	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
5/31/2019	<0.0025	<0.0025					
6/3/2019			<0.0025		0.00074 (J)	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	9E-05 (J)	4.7E-05 (J)					
11/7/2019				<0.0025	0.00065		
11/9/2019			<0.0025			<0.0025	<0.0025
4/16/2020	5.4E-05 (J)	4.3E-05 (J)					
4/17/2020				<0.0025			<0.0025
4/18/2020			0.00011 (J)		0.00096	<0.0025	
10/7/2020	0.0014 (J)	0.0014 (J)					
10/8/2020			<0.0025	<0.0025	0.00039 (J)	<0.0025	<0.0025
3/29/2021	<0.0025	<0.0025					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.0007		
9/2/2021	<0.0025	<0.0025					
9/3/2021					0.00076 (J)	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0025	<0.0025					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0025	<0.0025					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025				
3/1/2016					<0.0025	<0.0025
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0025	<0.0025				<0.0025
5/3/2016					<0.0025	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0025	<0.0025			<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0025	<0.0025			<0.0025	<0.0025
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0025	<0.0025			<0.0025	<0.0025
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0025	<0.0025			<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0025	<0.0025			<0.0025	<0.0025
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0025	<0.0025				
6/6/2018					<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0025	<0.0025				
10/17/2018					<0.0025	<0.0025
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0025	<0.0025			<0.0025	<0.0025
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			<0.0025	<0.0025		
11/6/2019	6.6E-05 (J)	<0.0025			<0.0025	<0.0025
11/7/2019			<0.0025	8.4E-05 (J)		
4/16/2020	6.1E-05 (J)	<0.0025			<0.0025	<0.0025
4/17/2020			4.4E-05 (J)	0.00013 (J)		
10/7/2020	0.0015 (J)	0.0015 (J)			0.0014 (J)	0.0014 (J)
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0025	<0.0025			<0.0025	<0.0025
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0025			<0.0025	<0.0025
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0025	<0.0025			<0.0025	<0.0025
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0025					
9/8/2022		<0.0025	<0.0025		<0.0025	<0.0025
9/9/2022				<0.0025		
4/6/2023	<0.0025	<0.0025				<0.0025
4/7/2023					<0.0025	
4/10/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.018	<0.05					
3/1/2016			<0.05	<0.05 (*)	8.7	<0.32 (*)	<0.018
5/2/2016	<0.018						
5/4/2016		<0.05					<0.018 (*)
5/5/2016			<0.05	<0.05 (*)	7.8	<0.32 (*)	
7/5/2016	<0.018						
7/7/2016			<0.05	0.33	7	1	
7/8/2016		<0.05					<0.018
9/6/2016	<0.018	<0.05	<0.05				
9/7/2016				0.37	12	0.53	0.022 (J)
11/7/2016	<0.018						
11/9/2016					9.6	1.6	<0.018
11/10/2016		<0.05	<0.05	0.43			
1/9/2017	<0.018						
1/11/2017		<0.05			11	0.9	<0.018
1/12/2017			<0.05	0.44			
3/13/2017	<0.018						
3/14/2017		<0.05			10	0.63	0.071
3/15/2017			<0.05	0.46			
5/15/2017	<0.018						
5/18/2017		<0.05	<0.05	0.44	15	1.5	<0.018 (*)
10/2/2017	<0.018						
10/5/2017		<0.05			12	0.32	<0.018
10/6/2017			<0.05	0.37			
12/19/2017				0.35 (R)	11 (R)	1.6 (R)	
3/12/2018	<0.018						
3/14/2018		<0.05	<0.05	0.32	11	0.7	<0.018
6/5/2018	<0.018						
6/10/2018		<0.05			12	2.4	0.066
6/11/2018			<0.05	0.26			
10/16/2018	<0.018						
10/18/2018		0.081		0.25	9.6	0.43	0.067
10/19/2018			0.34				
2/27/2019	<0.018	<0.05					
3/1/2019					6.5	0.4	0.048 (J)
3/2/2019			<0.05	<0.05			
5/31/2019	<0.018	<0.05					
6/3/2019			0.17		11	1.7	<0.018
6/11/2019				0.39			
11/6/2019	0.017 (V)	0.016 (V)					
11/7/2019				0.19	11		
11/9/2019			0.023 (J)			1.8	0.097 (V)
4/16/2020	0.02	0.013					
4/17/2020				0.31			0.07
4/18/2020			0.012		11	1.7	
10/7/2020	<0.018	<0.05					
10/8/2020			0.033 (J)	0.31	12	0.37	0.031 (J)
3/29/2021	<0.018	<0.05					
3/30/2021			<0.05	0.23		0.22	<0.018
3/31/2021					8.9		
9/2/2021	0.021 (J)	<0.05					
9/3/2021					8.7	0.2	0.021 (J)

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<0.05	0.19			
3/22/2022	0.013	0.012					
3/23/2022			0.017		8.7	0.23	0.0074 (J)
3/24/2022				0.2			
9/7/2022	0.031 (J)	0.029 (J)					
9/8/2022							0.097
9/9/2022			0.13	0.22	14	0.5	
4/6/2023	0.021 (J)	0.048 (J)					
4/7/2023					13	1.4	0.019 (J)
4/10/2023			0.015 (J)	0.58			

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.018	<0.018				
3/1/2016					<0.05	<0.05
3/2/2016			<0.05 (*)	3		
5/2/2016	<0.018	<0.018				<0.05
5/3/2016					<0.05	
5/5/2016			<0.05 (*)	2.9		
7/5/2016	<0.018	<0.018			<0.05	<0.05
7/7/2016			0.1	3		
9/6/2016	<0.018	<0.018			<0.05	<0.05
9/7/2016			0.073	3.8		
11/7/2016	<0.018	<0.018			<0.05	<0.05
11/10/2016			0.073	2.1		
1/9/2017	<0.018	<0.018			<0.05	<0.05
1/12/2017			0.059	4		
3/13/2017	<0.018	0.022 (J)			<0.05	<0.05
3/14/2017			0.044 (J)			
3/15/2017				4.2		
5/15/2017	<0.018	<0.018			<0.05	<0.05
5/18/2017			<0.05 (*)	4.4		
10/2/2017	<0.018	0.023 (J)			<0.05	<0.05
10/5/2017			0.047 (J)			
10/6/2017				2.3		
12/19/2017				5.3 (R)		
3/12/2018	<0.018	<0.018			<0.05	<0.05
3/14/2018			<0.05	4.6		
6/5/2018	<0.018	<0.018				
6/6/2018					<0.05	<0.05
6/11/2018			0.11	4.2		
10/16/2018	<0.018	<0.018				
10/17/2018					<0.05	<0.05
10/18/2018			0.15	4.3		
2/27/2019	<0.018	<0.018			<0.05	<0.05
3/1/2019			0.23	3.8		
5/31/2019	<0.018	<0.018			<0.05	<0.05
6/3/2019			0.45	3		
11/6/2019	0.016 (V)	0.022 (V)			0.011 (V)	0.0099 (J)
11/7/2019			0.42	4.2		
4/16/2020	0.013	0.017			0.0075 (J)	0.0055 (J)
4/17/2020			0.83	4.6		
10/7/2020	<0.018	<0.018			<0.05	<0.05
10/9/2020			0.37	4.8		
3/29/2021	<0.018	<0.018			<0.05	<0.05
3/31/2021			0.2	3.8		
9/2/2021	0.018 (J)	0.022 (J)			<0.05	<0.05
9/3/2021			0.77	3.3		
3/22/2022	0.013	0.017			0.009 (J)	0.0063 (J)
3/23/2022			0.36	4.5		
9/7/2022	0.031 (J)					
9/8/2022		0.055	0.45		0.027 (J)	0.025 (J)
9/9/2022				4.4		
4/6/2023	0.038 (J)	0.035 (J)				0.012 (J)
4/7/2023					0.011 (J)	

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			0.16	4.5		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0025					
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0025	<0.0025	<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025						
11/9/2016					<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0025			0.00049 (J)	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0025	<0.0025	<0.0025	0.00052 (J)	<0.0025	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0025			0.00049 (J)	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0025		<0.0025	0.00044 (J)	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0025	<0.0025					
3/1/2019					0.00038 (J)	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
5/31/2019	<0.0025	<0.0025					
6/3/2019			<0.0025		0.0006 (J)	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	<0.0025	<0.0025					
11/7/2019				<0.0025	0.00075		
11/9/2019			<0.0025			<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025					
4/17/2020				<0.0025			<0.0025
4/18/2020			<0.0025		0.00037 (J)	<0.0025	
10/7/2020	<0.0025	<0.0025					
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/29/2021	<0.0025	<0.0025					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.00056		
9/2/2021	<0.0025	<0.0025					
9/3/2021					0.00061 (J)	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0025	<0.0025					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0025	<0.0025					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025				
3/1/2016					<0.0025	<0.0025
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0025	<0.0025				<0.0025
5/3/2016					<0.0025	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0025	<0.0025			<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0025	<0.0025			<0.0025	<0.0025
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0025	<0.0025			<0.0025	<0.0025
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0025	<0.0025			<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0025	<0.0025			<0.0025	<0.0025
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0025	<0.0025				
6/6/2018					<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0025	<0.0025				
10/17/2018					<0.0025	<0.0025
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0025	<0.0025			<0.0025	<0.0025
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			<0.0025	<0.0025		
11/6/2019	<0.0025	<0.0025			<0.0025	<0.0025
11/7/2019			7.8E-05 (J)	0.00032 (J)		
4/16/2020	<0.0025	<0.0025			<0.0025	<0.0025
4/17/2020			<0.0025	0.00011 (J)		
10/7/2020	<0.0025	<0.0025			<0.0025	<0.0025
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0025	<0.0025			<0.0025	<0.0025
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0025			<0.0025	<0.0025
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0025	<0.0025			<0.0025	<0.0025
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0025					
9/8/2022		<0.0025	<0.0025		<0.0025	<0.0025
9/9/2022				<0.0025		
4/6/2023	<0.0025	<0.0025				<0.0025
4/7/2023					<0.0025	
4/10/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1	1 (J)					
3/1/2016			0.99 (J)	5.6	46	63	1.8
5/2/2016	0.78						
5/4/2016		0.62					1.1
5/5/2016			1.2	5.4	37	58	
7/5/2016	0.65						
7/7/2016			1.1	3.9	38	55	
7/8/2016		0.4					0.82
9/6/2016	0.7	0.45	1				
9/7/2016				4.2	55	59	0.57
11/7/2016	0.8						
11/9/2016					52	61	0.62
11/10/2016		0.44	0.73	3.5			
1/9/2017	0.74						
1/11/2017		0.42			56	66	0.44
1/12/2017			0.63	3.3			
3/13/2017	0.78						
3/14/2017		0.42			55	63	0.46
3/15/2017			0.72	4.1			
5/15/2017	0.76						
5/18/2017		0.38	0.71	3.9	61	68	0.41
10/2/2017	0.78						
10/5/2017		0.39			55	58	0.39
10/6/2017			0.56	4.3			
12/19/2017				3.7 (R)	47 (R)	69 (R)	
3/12/2018	0.88						
3/14/2018		0.49	0.63	3.9	55	62	0.47
6/5/2018	0.9						
6/10/2018		0.39			67	86	0.39
6/11/2018			0.55	3.5			
10/16/2018	0.86						
10/18/2018		0.41		3.1	52	63	0.47
10/19/2018			0.37				
2/27/2019	0.96	0.44					
3/1/2019					28	51	0.46
3/2/2019			0.57	0.56			
5/31/2019	0.76	0.28					
6/3/2019			2		49	65	0.38
6/11/2019				3.5			
11/6/2019	0.88	0.46					
11/7/2019				3.4	62		
11/9/2019			0.61 (V)			84	0.56 (V)
4/16/2020	0.84	0.38					
4/17/2020				3.5			0.42
4/18/2020			0.45		62	58	
10/7/2020	0.93	0.47					
10/8/2020			0.67	3.7	59	50	0.51
3/29/2021	1	0.43					
3/30/2021			0.47	3.6		68	0.49
3/31/2021					74		
9/2/2021	1.1	0.63					
9/3/2021					63	59	0.51

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			0.39	3.5			
3/22/2022	0.9	0.38					
3/23/2022			2		71	62	0.48
3/24/2022				3.6			
9/7/2022	1	0.6					
9/8/2022							1.6
9/9/2022			12	3.3	110	57	
4/6/2023	0.81	0.42					
4/7/2023					93	66	0.48
4/10/2023			0.46	4.5			

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.67	1.4				
3/1/2016					0.6	1.5
3/2/2016			2	23		
5/2/2016	0.58	1.1				0.83
5/3/2016					0.55	
5/5/2016			2.6	21		
7/5/2016	0.43	0.94			0.53	1.6
7/7/2016			2.9	20		
9/6/2016	0.48	1			0.5	1.6
9/7/2016			3.1	20		
11/7/2016	0.56	1.2			0.68	1.5
11/10/2016			2.7	8.7		
1/9/2017	0.43	1.2			0.56	0.98
1/12/2017			2.9	27		
3/13/2017	0.48	1.3			0.62	0.75
3/14/2017			3.1			
3/15/2017				32		
5/15/2017	0.37	1			0.58	0.83
5/18/2017			3	30		
10/2/2017	0.47	1.2			0.62	0.83
10/5/2017			3.7			
10/6/2017				15		
12/19/2017			3.1 (R)	41 (R)		
3/12/2018	0.49	1.4			0.59	0.71
3/14/2018			3.1	35		
6/5/2018	0.49	1.2				
6/6/2018					0.59	0.68
6/11/2018			2.6	30		
10/16/2018	0.42	1.4				
10/17/2018					0.54	0.66
10/18/2018			2.8	38		
2/27/2019	0.56	1.3			0.63	0.7
3/1/2019			3.1	28		
5/31/2019	0.33	1.1			0.45	0.52
6/3/2019			3.9	13		
11/6/2019	0.49	1.2			0.55	0.74
11/7/2019			4.3	32		
4/16/2020	0.36	1.3			0.53	0.59
4/17/2020			5.2	29		
10/7/2020	0.43	1.6			0.63	0.67
10/9/2020			5.9	31		
3/29/2021	0.46	1.6			0.68	0.75
3/31/2021			3.3	23		
9/2/2021	0.47	1.5			0.56	0.73
9/3/2021			8.4	21		
3/22/2022	0.33	1.6			0.81	0.7
3/23/2022			4.8	28		
9/7/2022	0.61					
9/8/2022		2.1	6		0.69	0.82
9/9/2022				26		
4/6/2023	0.32	2.1				0.68
4/7/2023					0.49	

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			3.7	22		

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.3	5.4					
3/1/2016			4.8	6.6	90	36	4.4
5/2/2016	4.4						
5/4/2016		4.5					3
5/5/2016			5.6	6.5	63	34	
7/5/2016	4.2						
7/7/2016			5	7.3	75	34	
7/8/2016		4.9					3.5
9/6/2016	4.3	4.3	4.8				
9/7/2016				7.4	140	33	3.3
11/7/2016	4.2						
11/9/2016					180	38	3.9
11/10/2016		4.5	4.7	8.4			
1/9/2017	5.3						
1/11/2017		5.3			200	34	4.1
1/12/2017			5.6	9.2			
3/13/2017	5.2						
3/14/2017		5.5			150	35	4
3/15/2017			5.9	9.5			
5/15/2017	4.8						
5/18/2017		5	5.7	9.9	190	60	4
10/2/2017	5.5						
10/5/2017		5.6			120	33	4.5
10/6/2017			6	10			
12/19/2017				9.3 (R)	84 (R)	120 (R)	
3/12/2018	5.3						
3/14/2018		5.2	5.2	7.7	160	45	3.7
6/5/2018	5.3						
6/10/2018		5.2			190	140	3.6
6/11/2018			4.9	8			
10/16/2018	5.5						
10/18/2018		5.2		12	100	32	5
10/19/2018			6.7				
2/27/2019	4.6	5.1					
3/1/2019					42	30	1.7 (J)
3/2/2019			4.4	8.5			
5/31/2019	5.1	5					
6/3/2019			13		110	86	3.3
6/11/2019				17			
11/6/2019	5.8	6					
11/7/2019				15	120		
11/9/2019			6.1			200	4.7
4/16/2020	6.1	5.8					
4/17/2020				20			4.8
4/18/2020			6.3		130	73	
10/7/2020	6.6	5.9					
10/8/2020			6.4	18	95	26	5
3/29/2021	10	5.8					
3/30/2021			6.4	12		18	5
3/31/2021					120		
9/2/2021	5.8	5.1					
9/3/2021					110	10	4.4

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			6.1	12			
3/22/2022	5.9	4.9					
3/23/2022			6.9		120	10	4.1
3/24/2022				9.8			
9/7/2022	4.4	3.4					
9/8/2022							3.3
9/9/2022			11	6.9	140	6.2	
4/6/2023	4.3	3.6					
4/7/2023					120	32	2.8
4/10/2023			3.9	6.3			

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	8.1	7.4				
3/1/2016					5.6	4
3/2/2016			5	87		
5/2/2016	6	6.3				3.6
5/3/2016					5.1	
5/5/2016			6.8	87		
7/5/2016	5.2	4.8			4.7	3.6
7/7/2016			6.7	83		
9/6/2016	5.5	6			4.4	4
9/7/2016			4.8	80		
11/7/2016	5.4	5.7			4.6	4.4
11/10/2016			4.2	35		
1/9/2017	6.1	6.8			5.3	4.4
1/12/2017			4.4	130		
3/13/2017	5.5	6.8			5.6	4.1
3/14/2017			4.4			
3/15/2017				150		
5/15/2017	4.7	6.1			5.2	3.7
5/18/2017			5	140		
10/2/2017	6.1	6			5.5	4.8
10/5/2017			5.8			
10/6/2017				62		
12/19/2017				180 (R)		
3/12/2018	6.1	5.9			5.6	4
3/14/2018			6.9	140		
6/5/2018	5.5	6.5				
6/6/2018					5.6	4.1
6/11/2018			6	140		
10/16/2018	5.1	5.9				
10/17/2018					5.5	3.7
10/18/2018			7.5	160		
2/27/2019	5	4.3			5.1	4
3/1/2019			7.2	140		
5/31/2019	5.4	4.5			5.4	3.7
6/3/2019			8.5	79		
11/6/2019	6.1	5.7			5.9	4.7
11/7/2019			18	120		
4/16/2020	5.3	5.6			6.2	4.9
4/17/2020			29	120		
10/7/2020	5.7	5.1			6.1	4.7
10/9/2020			22	100		
3/29/2021	5.2	5			6.2	5.4
3/31/2021			18	110		
9/2/2021	5.1	5.2			5.9	5.1
9/3/2021			57	100		
3/22/2022	4.7	8.8			5.6	4.8
3/23/2022			28	110		
9/7/2022	3.6					
9/8/2022		3.4	17		4.3	5.3
9/9/2022				84		
4/6/2023	3.8	4.2				4.2
4/7/2023					4.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			8.2	71		

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0025					
3/1/2016			<0.0025	<0.0025	<0.0025	0.0023 (J)	<0.0025
5/2/2016	0.0029						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	0.0014 (J)	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	0.0014 (J)	0.002 (J)	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0025	<0.0025	<0.0025				
9/7/2016				<0.0025	0.0019 (J)	0.0029	<0.0025
11/7/2016	<0.0025						
11/9/2016					0.0023 (J)	0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0025			0.0024 (J)	0.002 (J)	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0025			0.0023 (J)	0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.002 (J)	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.0022 (J)	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0025			0.0022 (J)	0.002 (J)	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0025		<0.0025	0.0016 (J)	0.0029	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0025	<0.0025					
3/1/2019					<0.0025	0.0026	<0.0025
3/2/2019			0.0028	0.0052			
5/31/2019	<0.0025	<0.0025					
6/3/2019			<0.0025		0.0015 (J)	0.0022 (J)	<0.0025
6/11/2019				0.0011 (J)			
11/6/2019	<0.0025	<0.0025					
11/7/2019				0.00028 (J)	<0.0025		
11/9/2019			0.00037 (J)			0.0022 (J)	<0.0025
4/16/2020	<0.0025	<0.0025					
4/17/2020				0.00026 (J)			<0.0025
4/18/2020			<0.0025		0.0016	0.0029	
10/7/2020	<0.0025	0.0046					
10/8/2020			<0.0025	<0.0025	0.0031	0.0028	0.0019 (J)
3/29/2021	<0.0025	0.0024					
3/30/2021			<0.0025	<0.0025		0.0015	<0.0025
3/31/2021					<0.0025		
9/2/2021	0.0014 (J)	<0.0025					
9/3/2021					0.0025	0.0011 (J)	<0.0025
9/7/2021			0.0012 (J)	0.0088			
3/22/2022	0.0046	0.0051					
3/23/2022			0.0063		0.001 (J)	0.00073	0.0044
3/24/2022				0.003			

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	0.002 (J)	
4/6/2023	<0.0025	<0.0025					
4/7/2023					<0.0025	0.0024 (J)	<0.0025
4/10/2023			<0.0025	<0.0025			

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025				
3/1/2016					<0.0025	0.00056 (J)
3/2/2016			<0.0025	<0.0025		
5/2/2016	0.0019 (J)	0.0034				0.0021 (J)
5/3/2016					0.0012 (J)	
5/5/2016			<0.0025	<0.0025		
7/5/2016	0.0051	0.0059			<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0025	<0.0025			<0.0025	<0.0025
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0025	<0.0025			<0.0025	<0.0025
11/10/2016			<0.0025	<0.0025		
1/9/2017	0.017 (o)	<0.0025			<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0025	<0.0025			<0.0025	<0.0025
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0025	<0.0025				
6/6/2018					<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0025	<0.0025				
10/17/2018					<0.0025	<0.0025
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0025	<0.0025			<0.0025	<0.0025
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			<0.0025	<0.0025		
11/6/2019	<0.0025	<0.0025			<0.0025	<0.0025
11/7/2019			<0.0025	0.00042 (J)		
4/16/2020	<0.0025	<0.0025			<0.0025	<0.0025
4/17/2020			<0.0025	0.0004 (J)		
10/7/2020	0.001 (J)	0.0015 (J)			0.0033	0.0017 (J)
10/9/2020			<0.0025	0.0016 (J)		
3/29/2021	<0.0025	<0.0025			<0.0025	<0.0025
3/31/2021			0.016	<0.0025		
9/2/2021	<0.0025	<0.0025			<0.0025	<0.0025
9/3/2021			<0.0025	<0.0025		
3/22/2022	0.00032 (J)	0.00027 (J)			0.0088	0.0022
3/23/2022			0.0061	0.0025		
9/7/2022	<0.0025					
9/8/2022		<0.0025	<0.0025		<0.0025	<0.0025
9/9/2022				<0.0025		
4/6/2023	<0.0025	<0.0025				<0.0025
4/7/2023					<0.0025	
4/10/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.00039 (J)	<0.0025					
3/1/2016			<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)
5/2/2016	0.0013 (J)						
5/4/2016		<0.0025					0.001 (J)
5/5/2016			<0.0025	0.00064 (J)	0.012	<0.0025	
7/5/2016	0.00049 (J)						
7/7/2016			<0.0025	<0.0025	0.012	<0.0025	
7/8/2016		<0.0025					0.00057 (J)
9/6/2016	0.00062 (J)	0.00042 (J)	<0.0025				
9/7/2016				0.00044 (J)	0.018	<0.0025	0.00061 (J)
11/7/2016	0.00049 (J)						
11/9/2016					0.022	<0.0025	0.00055 (J)
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	0.00045 (J)						
1/11/2017		<0.0025			0.025	<0.0025	0.00045 (J)
1/12/2017			<0.0025	<0.0025			
3/13/2017	0.00048 (J)						
3/14/2017		<0.0025			0.019	<0.0025	0.00059 (J)
3/15/2017			<0.0025	<0.0025			
5/15/2017	0.00052 (J)						
5/18/2017		<0.0025	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)
3/12/2018	0.00055 (J)						
3/14/2018		<0.0025	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)
6/5/2018	0.00051 (J)						
6/10/2018		<0.0025			0.029	<0.0025	0.0004 (J)
6/11/2018			<0.0025	<0.0025			
10/16/2018	0.00058 (J)						
10/18/2018		<0.0025		<0.0025	0.016	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	0.00065 (J)	<0.0025					
3/1/2019					0.009	<0.0025	<0.0025
3/2/2019			<0.0025	0.00041 (J)			
5/31/2019	0.00046 (J)	<0.0025					
6/3/2019			<0.0025		0.015	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	0.00056 (J)	0.00033 (J)					
11/7/2019				0.00015 (J)	0.022		
11/9/2019			0.00016 (J)			0.00087 (J)	0.00036 (J)
4/16/2020	0.00058	0.00035 (J)					
4/17/2020				0.00021 (J)			0.00036 (J)
4/18/2020			0.00023 (J)		0.013	0.00037 (J)	
10/7/2020	0.0006 (J)	<0.0025					
10/8/2020			<0.0025	<0.0025	0.017	<0.0025	<0.0025
3/29/2021	0.00059	<0.0025					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.018		
9/2/2021	0.00069 (J)	<0.0025					
9/3/2021					0.018	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	0.0014	0.0012					
3/23/2022			0.00088		0.023	0.00017 (J)	0.00099
3/24/2022				0.00026 (J)			

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	0.032	<0.0025	
4/6/2023	0.0011 (J)	0.00087 (J)					
4/7/2023					0.023	<0.0025	0.00056 (J)
4/10/2023			<0.0025	<0.0025			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.00064 (J)	0.00023 (J)				
3/1/2016					0.00064 (J)	0.00071 (J)
3/2/2016			0.00075 (J)	0.0047 (J)		
5/2/2016	0.0014 (J)	0.00092 (J)				0.001 (J)
5/3/2016					0.00079 (J)	
5/5/2016			0.0042	0.0047		
7/5/2016	0.0027	0.0032			<0.0025	0.00055 (J)
7/7/2016			0.0043	0.0041		
9/6/2016	0.00062 (J)	<0.0025			0.00094 (J)	0.00057 (J)
9/7/2016			0.0049	0.0047		
11/7/2016	0.00058 (J)	<0.0025			0.00041 (J)	0.00047 (J)
11/10/2016			0.004	0.0043		
1/9/2017	0.00059 (J)	<0.0025			0.00074 (J)	0.00054 (J)
1/12/2017			0.0045	0.0048		
3/13/2017	0.0005 (J)	<0.0025			0.00091 (J)	0.0004 (J)
3/14/2017			0.0039			
3/15/2017				0.0066		
5/15/2017	0.00046 (J)	<0.0025			0.00075 (J)	0.00046 (J)
5/18/2017			0.005	0.0065		
3/12/2018	0.00055 (J)	<0.0025			0.00044 (J)	<0.0025
3/14/2018			0.0038	0.012		
6/5/2018	0.00052 (J)	<0.0025				
6/6/2018					0.0004 (J)	0.00048 (J)
6/11/2018			0.0044	0.0096		
10/16/2018	0.00045 (J)	<0.0025				
10/17/2018					<0.0025	0.00043 (J)
10/18/2018			0.0036	0.025		
2/27/2019	0.00056 (J)	<0.0025			<0.0025	0.00045 (J)
3/1/2019			0.0052	0.02		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			0.0071	0.0053		
11/6/2019	0.00048 (J)	0.00019 (J)			0.00029 (J)	0.00094 (J)
11/7/2019			0.0085	0.019		
4/16/2020	0.00043 (J)	0.00021 (J)			0.00029 (J)	0.00053
4/17/2020			0.0089	0.013		
10/7/2020	<0.0025	<0.0025			<0.0025	<0.0025
10/9/2020			0.0072	0.015		
3/29/2021	<0.0025	<0.0025			<0.0025	0.00062
3/31/2021			0.0023	0.0091		
9/2/2021	<0.0025	<0.0025			<0.0025	0.00069 (J)
9/3/2021			0.015	0.0032		
3/22/2022	0.00038 (J)	0.0002 (J)			0.0014	0.0016
3/23/2022			0.0094	0.013		
9/7/2022	<0.0025					
9/8/2022		<0.0025	0.0077		<0.0025	0.00064 (J)
9/9/2022				0.019		
4/6/2023	0.00098 (J)	0.00078 (J)				0.0022 (J)
4/7/2023					0.00072 (J)	
4/10/2023			0.007	0.014		

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1.27	1.09					
3/1/2016			0.996	5.24	11.8	4.21	0.872
5/2/2016	0.808						
5/4/2016		0.848					<5
5/5/2016			2.82	4.13	9.43	2.24	
7/5/2016	0.947						
7/7/2016			1.58	7.01	13.8	3.28	
7/8/2016		1.46					1.02
9/6/2016	1.07	1.34	1.46				
9/7/2016				7.94	13.7	2.83	0.826
11/7/2016	0.602						
11/9/2016					16.9	4.28	1.17
11/10/2016		1.23	1.92	7			
1/9/2017	0.865						
1/11/2017		1.11			24.9	4.62	0.924
1/12/2017			1.48	7.87			
3/13/2017	0.693						
3/14/2017		1.01			15.5	2.28	0.889
3/15/2017			1.41	7.1			
5/15/2017	0.786						
5/18/2017		0.745	1.23	7.26	19.8	3	0.338
3/12/2018	0.933						
3/14/2018		0.614	1.64	7.02	13.1	2.82	0.789
6/5/2018	0.713						
6/10/2018		0.959			19.1	6.2	0.852
6/11/2018			1.51	5.54			
10/16/2018	2.14						
10/18/2018		0.944		5.59	12.1	2.89	1.05
10/19/2018			1				
2/27/2019	0.651	0.827					
3/1/2019					10.4	2.89	1.01
3/2/2019			1.5	1.69			
5/31/2019	1.33	0.99					
6/3/2019			2.67		19.1	4.84	1.33
6/11/2019				5.8			
11/6/2019	1.32	0.892					
11/7/2019				4.83	20.8		
11/9/2019			1.31			6.06	0.663
4/16/2020	0.971	0.497					
4/17/2020				5.33			0.604
4/18/2020			0.931		13.8	2.03	
10/7/2020	1.14	1.07					
10/8/2020			1.08	5.59	13.6	2.03	1.49
3/29/2021	1.72	0.561					
3/30/2021			1.46	5.05		3.57	1.8
3/31/2021					21		
9/2/2021	1.65	0.975					
9/3/2021					15.1	1.87	0.866
9/7/2021			1.47	4.59			
3/22/2022	1.75	1.1					
3/23/2022			2.18		16.5	1.79	1.17
3/24/2022				4.52			

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	2	1.32					
9/8/2022							1.49
9/9/2022			5.92	3.16	21.2	2.04	
4/6/2023	0.942	0.754					
4/7/2023					13	3.09	0.94
4/10/2023			1.03	5.3			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	1.42	2.4				
3/1/2016					0.647	<5
3/2/2016			2.39	7.8		
5/2/2016	1.03	1.62				<5
5/3/2016					0.748	
5/5/2016			1.54	5.51		
7/5/2016	0.961	1.01			0.591	<5
7/7/2016			2.17	7.65		
9/6/2016	1.07	1.8			0.831	0.566
9/7/2016			2.24	5.9		
11/7/2016	0.818	1.86			0.983	0.784
11/10/2016			2.69	5.04		
1/9/2017	0.934	2.25			0.767	0.541
1/12/2017			1.81	9.04		
3/13/2017	0.937	1.87			1.26	0.442
3/14/2017			1.74			
3/15/2017				6.46		
5/15/2017	0.685	1.4			0.553	0.345
5/18/2017			1.7	8.31		
3/12/2018	1.09	1.97			0.783	0.848
3/14/2018			1.99	7.06		
6/5/2018	0.927	2.17				
6/6/2018					1.08	0.78
6/11/2018			1.59	7.06		
10/16/2018	1.07	2.2				
10/17/2018					1.19	0.88
10/18/2018			1.77	7.22		
2/27/2019	0.912	1.8			0.741	0.431
3/1/2019			1.51	5.59		
5/31/2019	1.24	1.8			0.759	0.884
6/3/2019			0.42 (U)	4.73		
11/6/2019	0.509 (U)	2.32			0.105 (U)	0.366 (U)
11/7/2019			3.07	5.46		
4/16/2020	0.568	1.35			0.588	0.264 (U)
4/17/2020			2.45	4.26		
10/7/2020	0.763	1.75			0.709 (U)	0.46 (U)
10/9/2020			4	5.63		
3/29/2021	0.708				0.899	0.642
3/30/2021		1.71				
3/31/2021			3.92	5.69		
9/2/2021	1.75	2.13			0.856	0.951
9/3/2021			5.26	4.72		
3/22/2022	1.78	3.12			1.33	1.32
3/23/2022			3.57	6.71		
9/7/2022	1.46					
9/8/2022		3.32	2.78		0.936	1.36
9/9/2022				6.33		
4/6/2023	0.97	2.58				1.28
4/7/2023					1.26	
4/10/2023			2.34	4.17		

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

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.11	5.26					
3/1/2016			5.03	5.86	4.09	6.12	5.84
5/2/2016	4.76						
5/4/2016		5.1					5.69
5/5/2016			5.03	5.77	4.12	6.25	
7/5/2016	5.12						
7/7/2016			4.85	5.45	3.99	5.99	
7/8/2016		4.96					5.49
9/6/2016	5.11	5.43	4.84				
9/7/2016				5.01	4.06	6.03	5.22
11/7/2016	4.76						
11/9/2016					4.05	6.01	5.39
11/10/2016		4.89	4.72	4.99			
1/9/2017	4.99						
1/11/2017		4.87			4.01	6.04	5.12
1/12/2017			4.79	4.95			
3/13/2017	4.57						
3/14/2017		4.71			4.06	6.11	5.05
3/15/2017			4.81	5.03			
5/15/2017	4.6						
5/18/2017		4.5	4.5	4.75	3.65	5.88	4.68
10/2/2017	4.64						
10/5/2017		4.63			3.79	6.07	4.77
10/6/2017			4.56	5.07			
12/19/2017				5.1 (R)	4.1 (R)	6.11 (R)	
3/12/2018	4.85						
3/14/2018		5.14	5.08	4.89	4.2	6.29	5.28
6/5/2018	4.92						
6/10/2018		5.12			3.97	5.96	4.99
6/11/2018			4.81	5.02			
10/16/2018	4.93						
10/18/2018		4.97		4.93	4.12	6.19	5.07
10/19/2018			5.15				
2/27/2019	4.75	4.84					
3/1/2019					4.19	6.27	5.13
3/2/2019			4.81	5.58			
5/31/2019	4.9	4.92					
6/3/2019			4.7		4.17	6.23	5.12
6/11/2019				4.97			
11/6/2019	4.82	4.94					
11/7/2019				4.99	4.03		
11/9/2019			4.78			6.19	5.06
4/16/2020	5.03	5.17					
4/17/2020				5.07			5.23
4/18/2020			4.96		4.08	6.21	
10/7/2020	4.74	5.08					
10/8/2020			4.87	4.98	4.13	6.29	5.34
3/29/2021	4.79	4.92					
3/30/2021			4.82	5.04		6.31	4.98
3/31/2021					3.7		
9/2/2021	4.81	5.07					
9/3/2021					4.32	6.17	4.85

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			4.62	5.11			
3/22/2022	4.9	5.02					
3/23/2022			5.02		4.15	6.48	4.99
3/24/2022				5.02			
9/7/2022	4.72	4.89					
9/8/2022							5
9/9/2022			4.96	5.19	4.08	6.47	
4/6/2023	4.8	4.79					
4/7/2023					4.1	6.32	4.94
4/10/2023			4.71	4.92			

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.11	4.9				
3/1/2016					5.08	6.37 (o)
3/2/2016			5.015 (D)	5.015 (D)		
5/2/2016	4.77	4.69				5.605 (D)
5/3/2016					5.14	
5/5/2016			4.87	5.04		
7/5/2016	5.48	7.11 (o)			5.38	6.29 (o)
7/7/2016			4.86	5.55		
9/6/2016	5.12	5.19			5.37	6.42 (o)
9/7/2016			4.72	4.86		
11/7/2016	4.73	4.64			4.92	5.75
11/10/2016			4.72	5.19		
1/9/2017	5	4.94			5.05	5.98
1/12/2017			4.67	4.84		
3/13/2017	4.74	4.63			4.87	5.81
3/14/2017			4.77			
3/15/2017				4.86		
5/15/2017	4.63	4.52			4.69	5.42
5/18/2017			4.43	4.59		
10/2/2017	4.63	4.54			4.88	5.63
10/5/2017			4.52			
10/6/2017				5.73		
12/19/2017			4.76 (R)	4.84 (R)		
3/12/2018	4.81	4.81			5.07	5.6
3/14/2018			4.71	4.75		
6/5/2018	5.04	4.9				
6/6/2018					5.09	5.58
6/11/2018			4.78	4.77		
10/16/2018	4.98	4.81				
10/17/2018					4.99	5.54
10/18/2018			4.76	4.73		
2/27/2019	4.78	4.71			4.87	5.4
3/1/2019			4.85	4.76		
5/31/2019	4.92	4.84			4.89	5.45
6/3/2019			4.75	5.56		
11/6/2019	4.88	4.78			5.04	5.52
11/7/2019			4.78	4.74		
4/16/2020	5.15	4.96			5.13	5.58
4/17/2020			4.75	4.7		
10/7/2020	4.91	4.8			5.13	5.5
10/9/2020			4.77	4.9		
3/29/2021	4.89	4.8			4.93	5.46
3/31/2021			4.64	4.85		
9/2/2021	4.87	4.77			4.94	5.16
9/3/2021			4.72	6.28		
3/22/2022	4.91	4.89			5.1	5.18
3/23/2022			5	5.01		
9/7/2022	4.92					
9/8/2022		4.78	4.82		4.87	5.13
9/9/2022				4.68		
4/6/2023	4.88	4.8				5.02
4/7/2023					4.9	

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			4.87	4.72		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.1	<0.1					
3/1/2016			<0.1	0.037 (J)	0.46	0.041 (J)	<0.1
5/2/2016	<0.1						
5/4/2016		<0.1					<0.1
5/5/2016			<0.1	<0.1	0.27	<0.1	
7/5/2016	<0.1						
7/7/2016			<0.1	<0.1	0.29	<0.1	
7/8/2016		<0.1					<0.1
9/6/2016	<0.1	<0.1	<0.1				
9/7/2016				<0.1	0.33	<0.1	<0.1
11/7/2016	<0.1						
11/9/2016					0.29	<0.1	<0.1
11/10/2016		<0.1	<0.1	<0.1			
1/9/2017	<0.1						
1/11/2017		<0.1			0.42	<0.1	<0.1
1/12/2017			<0.1	<0.1			
3/13/2017	<0.1						
3/14/2017		<0.1			0.34	<0.1	<0.1
3/15/2017			<0.1	<0.1			
5/15/2017	<0.1						
5/18/2017		<0.1	<0.1	<0.1	0.47	<0.1	<0.1
10/2/2017	<0.1						
10/5/2017		<0.1			0.22	<0.1	<0.1
10/6/2017			<0.1	<0.1			
12/19/2017					0.26 (R)		
3/12/2018	<0.1						
3/14/2018		0.12	<0.1	<0.1	0.3	<0.1	<0.1
6/5/2018	<0.1						
6/10/2018		<0.1			0.38	<0.1	<0.1
6/11/2018			<0.1	<0.1			
10/16/2018	<0.1						
10/18/2018		<0.1		<0.1	0.26	0.04 (J)	<0.1
10/19/2018			<0.1				
2/27/2019	<0.1	<0.1					
3/1/2019					0.1	<0.1	<0.1
3/2/2019			<0.1	<0.1			
5/31/2019	<0.1	<0.1					
6/3/2019			<0.1		0.22	0.04 (J)	<0.1
6/11/2019				<0.1			
11/6/2019	<0.1	<0.1					
11/7/2019				<0.1	0.21		
11/9/2019			<0.1			<0.1	<0.1
4/16/2020	<0.1	<0.1					
4/17/2020				<0.1			<0.1
4/18/2020			<0.1		0.3	0.04 (J)	
10/7/2020	<0.1	<0.1					
10/8/2020			<0.1	0.24	0.26	0.04 (J)	<0.1
3/29/2021	0.06	<0.1					
3/30/2021			<0.1	<0.1		0.04	<0.1
3/31/2021					0.34		
9/2/2021	0.08 (J)	0.04 (J)					
9/3/2021					0.41	0.07 (J)	<0.1

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<0.1	<0.1			
3/22/2022	<0.1	<0.1					
3/23/2022			<0.1		0.3	<0.1	<0.1
3/24/2022				<0.1			
9/7/2022	<0.1	<0.1					
9/8/2022							<0.1
9/9/2022			<0.1	<0.1	<0.1	<0.1	
4/6/2023	<0.1	<0.1					
4/7/2023					0.31	<0.1	<0.1
4/10/2023			<0.1	<0.1			

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1				
3/1/2016					<0.1	0.033 (J)
3/2/2016			<0.1	0.039 (J)		
5/2/2016	<0.1	<0.1				<0.1
5/3/2016					<0.1	
5/5/2016			<0.1	<0.1		
7/5/2016	<0.1	<0.1			<0.1	<0.1
7/7/2016			<0.1	<0.1		
9/6/2016	<0.1	<0.1			<0.1	<0.1
9/7/2016			<0.1	<0.1		
11/7/2016	<0.1	<0.1			<0.1	<0.1
11/10/2016			<0.1	<0.1		
1/9/2017	<0.1	<0.1			<0.1	<0.1
1/12/2017			<0.1	<0.1		
3/13/2017	<0.1	<0.1			<0.1	<0.1
3/14/2017			<0.1			
3/15/2017				<0.1		
5/15/2017	<0.1	<0.1			<0.1	<0.1
5/18/2017			<0.1	<0.1		
10/2/2017	<0.1	<0.1			<0.1	<0.1
10/5/2017			<0.1			
10/6/2017				<0.1		
3/12/2018	<0.1	<0.1			<0.1	<0.1
3/14/2018			<0.1	<0.1		
6/5/2018	<0.1	<0.1				
6/6/2018					<0.1	<0.1
6/11/2018			<0.1	0.04 (J)		
10/16/2018	<0.1	<0.1				
10/17/2018					<0.1	<0.1
10/18/2018			<0.1	0.04 (J)		
2/27/2019	<0.1	<0.1			<0.1	<0.1
3/1/2019			<0.1	<0.1		
5/31/2019	<0.1	<0.1			<0.1	<0.1
6/3/2019			<0.1	0.04 (J)		
11/6/2019	<0.1	<0.1			<0.1	<0.1
11/7/2019			<0.1	0.04 (J)		
4/16/2020	<0.1	<0.1			<0.1	<0.1
4/17/2020			<0.1	0.04 (J)		
10/7/2020	<0.1	<0.1			<0.1	<0.1
10/9/2020			<0.1	<0.1		
3/29/2021	<0.1	<0.1			<0.1	<0.1
3/31/2021			<0.1	0.04		
9/2/2021	0.1	<0.1			<0.1	0.04 (J)
9/3/2021			0.05 (J)	0.07 (J)		
3/22/2022	<0.1	<0.1			<0.1	<0.1
3/23/2022			<0.1	<0.1		
9/7/2022	<0.1					
9/8/2022		<0.1	<0.1		<0.1	<0.1
9/9/2022				<0.1		
4/6/2023	<0.1	<0.1				<0.1
4/7/2023					<0.1	
4/10/2023			<0.1	<0.1		

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0013	<0.0013					
3/1/2016			<0.0013	<0.0013	0.0018 (J)	<0.0013	<0.0013
5/2/2016	<0.0013						
5/4/2016		<0.0013					<0.0013
5/5/2016			<0.0013	<0.0013	0.0015	<0.0013	
7/5/2016	<0.0013						
7/7/2016			<0.0013	<0.0013	0.0018	<0.0013	
7/8/2016		<0.0013					<0.0013
9/6/2016	<0.0013	<0.0013	<0.0013				
9/7/2016				<0.0013	0.0024	<0.0013	<0.0013
11/7/2016	<0.0013						
11/9/2016					0.0023	<0.0013	<0.0013
11/10/2016		<0.0013	<0.0013	<0.0013			
1/9/2017	<0.0013						
1/11/2017		<0.0013			0.0027	<0.0013	<0.0013
1/12/2017			<0.0013	<0.0013			
3/13/2017	<0.0013						
3/14/2017		<0.0013			0.0024	<0.0013	<0.0013
3/15/2017			<0.0013	<0.0013			
5/15/2017	<0.0013						
5/18/2017		<0.0013	<0.0013	<0.0013	0.0029	<0.0013	<0.0013
3/12/2018	<0.0013						
3/14/2018		<0.0013	<0.0013	<0.0013	0.0023	<0.0013	<0.0013
6/5/2018	<0.0013						
6/10/2018		<0.0013			0.0024	<0.0013	<0.0013
6/11/2018			<0.0013	<0.0013			
10/16/2018	<0.0013						
10/18/2018		<0.0013		<0.0013	0.002	<0.0013	0.00039 (J)
10/19/2018			<0.0013				
2/27/2019	<0.0013	<0.0013					
3/1/2019					0.0012 (J)	<0.0013	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.0013	<0.0013					
6/3/2019			<0.0013		0.0018	0.00091 (J)	<0.0013
6/11/2019				<0.0013			
11/6/2019	0.0001 (J)	<0.0013					
11/7/2019				0.00011 (J)	0.002		
11/9/2019			0.00014 (J)			0.00012 (J)	<0.0013
4/16/2020	6.6E-05 (J)	<0.0013					
4/17/2020				<0.0013			<0.0013
4/18/2020			0.00018 (J)		0.0024	<0.0013	
10/7/2020	<0.0013	<0.0013					
10/8/2020			<0.0013	<0.0013	0.0019	<0.0013	<0.0013
3/29/2021	<0.0013	<0.0013					
3/30/2021			<0.0013	<0.0013		<0.0013	<0.0013
3/31/2021					0.0022		
9/2/2021	<0.0013	<0.0013					
9/3/2021					0.002	<0.0013	<0.0013
9/7/2021			<0.0013	<0.0013			
3/22/2022	<0.0013	<0.0013					
3/23/2022			<0.0013		0.0018	<0.0013	<0.0013
3/24/2022				<0.0013			

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0013	<0.0013					
9/8/2022							<0.0013
9/9/2022			<0.0013	<0.0013	0.0021	<0.0013	
4/6/2023	<0.0013	<0.0013					
4/7/2023					0.002	<0.0013	<0.0013
4/10/2023			<0.0013	<0.0013			

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013				
3/1/2016					<0.0013	<0.0013
3/2/2016			<0.0013	<0.0013		
5/2/2016	<0.0013	<0.0013				<0.0013
5/3/2016					<0.0013	
5/5/2016			<0.0013	<0.0013		
7/5/2016	<0.0013	<0.0013			<0.0013	<0.0013
7/7/2016			<0.0013	<0.0013		
9/6/2016	<0.0013	<0.0013			<0.0013	<0.0013
9/7/2016			<0.0013	<0.0013		
11/7/2016	<0.0013	<0.0013			<0.0013	<0.0013
11/10/2016			<0.0013	<0.0013		
1/9/2017	<0.0013	<0.0013			<0.0013	<0.0013
1/12/2017			<0.0013	<0.0013		
3/13/2017	<0.0013	<0.0013			<0.0013	<0.0013
3/14/2017			<0.0013			
3/15/2017				<0.0013		
5/15/2017	<0.0013	<0.0013			<0.0013	<0.0013
5/18/2017			<0.0013	<0.0013		
3/12/2018	<0.0013	<0.0013			<0.0013	<0.0013
3/14/2018			<0.0013	<0.0013		
6/5/2018	<0.0013	<0.0013				
6/6/2018					<0.0013	<0.0013
6/11/2018			<0.0013	<0.0013		
10/16/2018	<0.0013	<0.0013				
10/17/2018					<0.0013	<0.0013
10/18/2018			<0.0013	<0.0013		
2/27/2019	0.001 (J)	<0.0013			<0.0013	<0.0013
3/1/2019			<0.0013	<0.0013		
5/31/2019	<0.0013	<0.0013			<0.0013	<0.0013
6/3/2019			0.00067 (J)	0.00037 (J)		
11/6/2019	6.6E-05 (J)	8.4E-05 (J)			<0.0013	0.0002 (J)
11/7/2019			9.4E-05 (J)	0.0003 (J)		
4/16/2020	<0.0013	<0.0013			<0.0013	0.00016 (J)
4/17/2020			0.00011 (J)	0.00033		
10/7/2020	<0.0013	<0.0013			<0.0013	<0.0013
10/9/2020			0.0012 (J)	0.0003 (J)		
3/29/2021	<0.0013	<0.0013			<0.0013	<0.0013
3/31/2021			<0.0013	0.0004		
9/2/2021	<0.0013	<0.0013			<0.0013	<0.0013
9/3/2021			<0.0013	<0.0013		
3/22/2022	<0.0013	<0.0013			<0.0013	<0.0013
3/23/2022			<0.0013	<0.0013		
9/7/2022	<0.0013					
9/8/2022		<0.0013	<0.0013		<0.0013	<0.0013
9/9/2022				<0.0013		
4/6/2023	<0.0013	<0.0013				<0.0013
4/7/2023					<0.0013	
4/10/2023			<0.0013	<0.0013		

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.005	<0.005					
3/1/2016			<0.005	<0.005	0.057	<0.005	<0.005
5/2/2016	<0.005						
5/4/2016		<0.005					<0.005
5/5/2016			<0.005	<0.005	0.044	<0.005	
7/5/2016	<0.005						
7/7/2016			<0.005	<0.005	0.04	<0.005	
7/8/2016		<0.005					<0.005
9/6/2016	<0.005	0.0037 (J)	<0.005				
9/7/2016				<0.005	0.033	<0.005	0.0073
11/7/2016	<0.005						
11/9/2016					0.035	<0.005	<0.005
11/10/2016		<0.005	<0.005	<0.005			
1/9/2017	<0.005						
1/11/2017		<0.005			0.028	<0.005	<0.005
1/12/2017			<0.005	<0.005			
3/13/2017	<0.005						
3/14/2017		<0.005			0.037	<0.005	0.0035 (J)
3/15/2017			<0.005	0.0038 (J)			
5/15/2017	<0.005						
5/18/2017		<0.005	<0.005	<0.005	0.024	<0.005	<0.005
3/12/2018	0.0011 (J)						
3/14/2018		<0.005	<0.005	0.002 (J)	0.028	<0.005	<0.005
6/5/2018	<0.005						
6/10/2018		<0.005			0.019	<0.005	<0.005
6/11/2018			<0.005	0.0015 (J)			
10/16/2018	<0.005						
10/18/2018		0.0013 (J)		0.0017 (J)	0.022	<0.005	0.0012 (J)
10/19/2018			0.0012 (J)				
2/27/2019	<0.005	<0.005					
3/1/2019					0.017	<0.005	0.0012 (J)
3/2/2019			0.0014 (J)	0.0011 (J)			
5/31/2019	0.0021 (J)	0.0013 (J)					
6/3/2019			<0.005		0.017	<0.005	<0.005
6/11/2019				0.0025 (J)			
11/6/2019	0.0011	0.001					
11/7/2019				0.00097 (J)	0.019		
11/9/2019			0.0009 (J)			<0.005	0.00068 (J)
4/16/2020	0.0006 (J)	<0.005					
4/17/2020				0.0021			0.00043 (J)
4/18/2020			<0.005		0.017	0.00039 (J)	
10/7/2020	0.0054	0.0052					
10/8/2020			<0.005	<0.005	0.017	<0.005	<0.005
3/29/2021	<0.005	0.0019					
3/30/2021			<0.005	0.002		<0.005	<0.005
3/31/2021					0.015		
9/2/2021	<0.005	<0.005					
9/3/2021					0.021	<0.005	<0.005
9/7/2021			<0.005	0.0027 (J)			
3/22/2022	0.0013	0.0014					
3/23/2022			<0.005		0.02	<0.005	<0.005
3/24/2022				0.00099 (J)			

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.005	<0.005					
9/8/2022							<0.005
9/9/2022			<0.005	<0.005	0.015	<0.005	
4/6/2023	<0.005	<0.005					
4/7/2023					0.015	<0.005	<0.005
4/10/2023			<0.005	<0.005			

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.005	<0.005				
3/1/2016					<0.005	0.0037
3/2/2016			0.0095 (J)	0.0082 (J)		
5/2/2016	<0.005	<0.005				<0.005
5/3/2016					<0.005	
5/5/2016			0.0059	0.0072		
7/5/2016	<0.005	<0.005			<0.005	<0.005
7/7/2016			0.006	0.0092		
9/6/2016	<0.005	<0.005			<0.005	<0.005
9/7/2016			0.0049 (J)	0.0069		
11/7/2016	<0.005	<0.005			<0.005	0.0097 (o)
11/10/2016			0.0055	0.0045 (J)		
1/9/2017	<0.005	<0.005			<0.005	<0.005
1/12/2017			0.0045 (J)	0.0073		
3/13/2017	<0.005	<0.005			<0.005	<0.005
3/14/2017			0.0069			
3/15/2017				0.012		
5/15/2017	<0.005	<0.005			<0.005	<0.005
5/18/2017			0.0055	0.0084		
3/12/2018	0.0014 (J)	<0.005			<0.005	<0.005
3/14/2018			0.0059	0.012		
6/5/2018	0.0012 (J)	<0.005				
6/6/2018					<0.005	0.0021 (J)
6/11/2018			0.0042 (J)	0.009		
10/16/2018	0.0015 (J)	0.0013 (J)				
10/17/2018					<0.005	0.0012 (J)
10/18/2018			0.0062	0.011		
2/27/2019	<0.005	<0.005			<0.005	0.002 (J)
3/1/2019			0.0054	0.0077		
5/31/2019	0.0017 (J)	0.0017 (J)			0.0015 (J)	0.0026 (J)
6/3/2019			0.0054	0.0082		
11/6/2019	0.0011	<0.005			0.00063 (J)	0.0012
11/7/2019			0.0052	0.014		
4/16/2020	0.00063 (J)	<0.005			<0.005	0.00091 (J)
4/17/2020			0.0076	0.0092		
10/7/2020	0.0054	0.0048 (J)			0.005	0.0049 (J)
10/9/2020			0.0053	0.011		
3/29/2021	<0.005	<0.005			<0.005	0.0042
3/31/2021			0.0059	0.017		
9/2/2021	<0.005	<0.005			<0.005	<0.005
9/3/2021			0.0067	0.092		
3/22/2022	<0.005	<0.005			0.0012	<0.005
3/23/2022			0.0062	0.011		
9/7/2022	<0.005					
9/8/2022		<0.005	<0.005		<0.005	<0.005
9/9/2022				0.006		
4/6/2023	<0.005	<0.005				<0.005
4/7/2023					<0.005	
4/10/2023			0.0066	0.0077		

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0002	<0.0002					
3/1/2016			<0.0002	<0.0002	0.00089	<0.0002	<0.0002
5/2/2016	<0.0002						
5/4/2016		<0.0002					<0.0002
5/5/2016			<0.0002	<0.0002	0.00054	<0.0002	
7/5/2016	<0.0002						
7/7/2016			<0.0002	<0.0002 (*)	0.00066 (V)	<0.0002	
7/8/2016		<0.0002 (*)					<0.0002 (*)
9/6/2016	<0.0002 (*)	<0.0002	<0.0002				
9/7/2016				<0.0002	0.0016	<0.0002	<0.0002
11/7/2016	<0.0002						
11/9/2016					0.0015	<0.0002	<0.0002
11/10/2016		<0.0002	<0.0002	<0.0002			
1/9/2017	<0.0002 (*)						
1/11/2017		<0.0002			0.0025	<0.0002	<0.0002
1/12/2017			<0.0002	<0.0002			
3/13/2017	<0.0002						
3/14/2017		<0.0002 (*)			0.0012	<0.0002	<0.0002
3/15/2017			<0.0002	<0.0002 (*)			
5/15/2017	<0.0002						
5/18/2017		<0.0002	<0.0002	<0.0002	0.0014	<0.0002	<0.0002
3/12/2018	<0.0002						
3/14/2018		9.3E-05 (J)	9.4E-05 (J)	0.00012 (J)	0.0011	<0.0002	8E-05 (J)
6/5/2018	<0.0002						
6/10/2018		<0.0002			0.0014	<0.0002	<0.0002
6/11/2018			<0.0002	<0.0002			
10/16/2018	<0.0002						
10/18/2018		<0.0002		<0.0002	0.00087	<0.0002	<0.0002
10/19/2018			9.4E-05 (J)				
2/27/2019	<0.0002	<0.0002					
3/1/2019					0.00077	<0.0002	<0.0002
3/2/2019			<0.0002	<0.0002			
5/31/2019	<0.0002	<0.0002					
6/3/2019			<0.0002		0.00054	<0.0002	<0.0002
6/11/2019				<0.0002			
11/6/2019	<0.0002	<0.0002					
11/7/2019				<0.0002	0.00053		
11/9/2019			<0.0002			<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002					
4/17/2020				0.00062			<0.0002
4/18/2020			<0.0002		0.00069	<0.0002	
10/7/2020	<0.0002	<0.0002					
10/8/2020			<0.0002	0.00016 (J)	0.00087	<0.0002	<0.0002
3/29/2021	<0.0002	<0.0002					
3/30/2021			<0.0002	<0.0002		<0.0002	<0.0002
3/31/2021					0.00072		
9/2/2021	<0.0002	<0.0002					
9/3/2021					0.00048	<0.0002	<0.0002
9/7/2021			<0.0002	<0.0002			
3/22/2022	<0.0002	<0.0002					
3/23/2022			<0.0002		0.00032	<0.0002	<0.0002
3/24/2022				<0.0002			

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0002	<0.0002					
9/8/2022							<0.0002
9/9/2022			<0.0002	<0.0002	0.00082	<0.0002	
4/6/2023	<0.0002	<0.0002					
4/7/2023					0.00064	<0.0002	<0.0002
4/10/2023			<0.0002	<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	9.1E-05 (J)	<0.0002				
3/1/2016					<0.0002	<0.0002
3/2/2016			<0.0002	0.007		
5/2/2016	7.4E-05 (J)	<0.0002				<0.0002
5/3/2016					<0.0002	
5/5/2016			<0.0002	0.006		
7/5/2016	<0.0002	<0.0002			<0.0002	<0.0002
7/7/2016			<0.0002 (*)	0.0053		
9/6/2016	<0.0002 (*)	<0.0002			<0.0002 (*)	<0.0002 (*)
9/7/2016			<0.0002	0.0067		
11/7/2016	<0.0002	<0.0002			<0.0002	<0.0002
11/10/2016			<0.0002	0.00014 (J)		
1/9/2017	<0.0002 (*)	<0.0002 (*)			<0.0002 (*)	<0.0002 (*)
1/12/2017			<0.0002	0.0052		
3/13/2017	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2017			<0.0002			
3/15/2017				0.0048		
5/15/2017	<0.0002	<0.0002			<0.0002	<0.0002
5/18/2017			<0.0002	0.0074		
3/12/2018	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2018			9.7E-05 (J)	0.0059		
6/5/2018	<0.0002	<0.0002				
6/6/2018					<0.0002	<0.0002
6/11/2018			<0.0002	0.0042		
10/16/2018	<0.0002	<0.0002				
10/17/2018					<0.0002	<0.0002
10/18/2018			<0.0002	0.0034		
2/27/2019	<0.0002	<0.0002			<0.0002	<0.0002
3/1/2019			<0.0002	0.0041		
5/31/2019	<0.0002	<0.0002			<0.0002	<0.0002
6/3/2019			<0.0002	0.0025		
11/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
11/7/2019			0.0012	0.0034		
4/16/2020	<0.0002	<0.0002			<0.0002	<0.0002
4/17/2020			0.0032	0.0063		
10/7/2020	0.00025	0.00013 (J)			8E-05 (J)	<0.0002
10/9/2020			0.0014	0.0049		
3/29/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/31/2021			0.00035	0.0055		
9/2/2021	<0.0002	<0.0002			<0.0002	<0.0002
9/3/2021			0.0012	0.0012		
3/22/2022	<0.0002	<0.0002			<0.0002	<0.0002
3/23/2022			0.00047	0.0034		
9/7/2022	<0.0002					
9/8/2022		<0.0002	0.00041		<0.0002	<0.0002
9/9/2022				0.0036		
4/6/2023	<0.0002	<0.0002				<0.0002
4/7/2023					<0.0002	
4/10/2023			<0.0002	0.0032		

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.015	<0.015					
3/1/2016			<0.015	<0.015	<0.015	0.004 (J)	<0.015
5/2/2016	<0.015						
5/4/2016		<0.015					<0.015
5/5/2016			<0.015	<0.015	<0.015	0.0093 (J)	
7/5/2016	<0.015						
7/7/2016			<0.015	<0.015	<0.015	0.0047 (J)	
7/8/2016		<0.015					<0.015
9/6/2016	<0.015	<0.015	<0.015				
9/7/2016				<0.015	<0.015	0.004 (J)	<0.015
11/7/2016	<0.015						
11/9/2016					<0.015	0.0037 (J)	<0.015
11/10/2016		<0.015	<0.015	<0.015			
1/9/2017	<0.015						
1/11/2017		<0.015			<0.015	0.0052 (J)	<0.015
1/12/2017			<0.015	<0.015			
3/13/2017	0.0042 (J)						
3/14/2017		<0.015			<0.015	0.004 (J)	<0.015
3/15/2017			<0.015	<0.015			
5/15/2017	<0.015						
5/18/2017		<0.015	<0.015	<0.015	<0.015	0.0043 (J)	<0.015
3/12/2018	<0.015						
3/14/2018		<0.015	<0.015	<0.015	<0.015	0.0054 (J)	<0.015
6/5/2018	<0.015						
6/10/2018		<0.015			<0.015	0.0035 (J)	<0.015
6/11/2018			<0.015	<0.015			
10/16/2018	<0.015						
10/18/2018		<0.015		<0.015	<0.015	0.0032 (J)	<0.015
10/19/2018			<0.015				
2/27/2019	<0.015	<0.015					
3/1/2019					<0.015	0.0047 (J)	<0.015
3/2/2019			<0.015	<0.015			
5/31/2019	<0.015	<0.015					
6/3/2019			<0.015		<0.015	0.0033 (J)	<0.015
6/11/2019				<0.015			
11/6/2019	<0.015	<0.015					
11/7/2019				<0.015	<0.015		
11/9/2019			<0.015			0.0025 (J)	<0.015
4/16/2020	<0.015	<0.015					
4/17/2020				<0.015			<0.015
4/18/2020			<0.015		<0.015	0.003	
10/7/2020	<0.015	<0.015					
10/8/2020			<0.015	<0.015	<0.015	<0.015	<0.015
3/29/2021	<0.015	<0.015					
3/30/2021			<0.015	<0.015		0.005	<0.015
3/31/2021					<0.015		
9/2/2021	<0.015	<0.015					
9/3/2021					<0.015	0.0057 (J)	<0.015
9/7/2021			<0.015	<0.015			
3/22/2022	0.00066 (J)	0.00064 (J)					
3/23/2022			0.00091 (J)		<0.015	0.0089	0.00068 (J)
3/24/2022				0.00092 (J)			

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.015	<0.015					
9/8/2022							<0.015
9/9/2022			<0.015	<0.015	<0.015	0.0044 (J)	
4/6/2023	<0.015	<0.015					
4/7/2023					<0.015	0.0027 (J)	<0.015
4/10/2023			<0.015	<0.015			

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.015	<0.015				
3/1/2016					<0.015	<0.015
3/2/2016			<0.015	<0.015		
5/2/2016	<0.015	<0.015				<0.015
5/3/2016					<0.015	
5/5/2016			<0.015	<0.015		
7/5/2016	<0.015	<0.015			<0.015	<0.015
7/7/2016			<0.015	<0.015		
9/6/2016	<0.015	<0.015			<0.015	<0.015
9/7/2016			<0.015	<0.015		
11/7/2016	<0.015	<0.015			<0.015	<0.015
11/10/2016			<0.015	<0.015		
1/9/2017	<0.015	<0.015			<0.015	<0.015
1/12/2017			<0.015	<0.015		
3/13/2017	<0.015	0.0022 (J)			<0.015	<0.015
3/14/2017			<0.015			
3/15/2017				<0.015		
5/15/2017	<0.015	<0.015			<0.015	<0.015
5/18/2017			<0.015	<0.015		
3/12/2018	<0.015	<0.015			<0.015	<0.015
3/14/2018			<0.015	<0.015		
6/5/2018	0.00088 (J)	<0.015				
6/6/2018					<0.015	<0.015
6/11/2018			<0.015	<0.015		
10/16/2018	<0.015	<0.015				
10/17/2018					<0.015	<0.015
10/18/2018			<0.015	<0.015		
2/27/2019	<0.015	<0.015			<0.015	<0.015
3/1/2019			<0.015	<0.015		
5/31/2019	<0.015	<0.015			<0.015	<0.015
6/3/2019			<0.015	<0.015		
11/6/2019	<0.015	<0.015			<0.015	<0.015
11/7/2019			<0.015	<0.015		
4/16/2020	<0.015	<0.015			<0.015	<0.015
4/17/2020			<0.015	<0.015		
10/7/2020	<0.015	<0.015			<0.015	<0.015
10/9/2020			<0.015	<0.015		
3/29/2021	<0.015	<0.015			<0.015	<0.015
3/31/2021			<0.015	<0.015		
9/2/2021	<0.015	<0.015			<0.015	<0.015
9/3/2021			<0.015	<0.015		
3/22/2022	<0.015	<0.015			0.0011 (J)	0.00031 (J)
3/23/2022			0.0009 (J)	<0.015		
9/7/2022	<0.015					
9/8/2022		<0.015	<0.015		<0.015	<0.015
9/9/2022				<0.015		
4/6/2023	<0.015	<0.015				<0.015
4/7/2023					<0.015	
4/10/2023			<0.015	<0.015		

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0013	<0.0013					
3/1/2016			<0.0013	0.0028 (J)	0.0054 (J)	<0.0013	<0.0013
5/2/2016	<0.0013						
5/4/2016		<0.0013					<0.0013
5/5/2016			0.00029 (J)	0.0026	0.0038	0.0003 (J)	
7/5/2016	<0.0013						
7/7/2016			<0.0013 (*)	0.0025	0.0043	<0.0013	
7/8/2016		<0.0013					<0.0013
9/6/2016	0.00049 (J)	<0.0013	<0.0013				
9/7/2016				0.0031	0.0099	0.00026 (J)	<0.0013
11/7/2016	<0.0013						
11/9/2016					0.012	0.00038 (J)	<0.0013
11/10/2016		<0.0013	<0.0013	0.0028			
1/9/2017	<0.0013						
1/11/2017		0.00049 (J)			0.022	<0.0013	<0.0013
1/12/2017			<0.0013	0.0028			
3/13/2017	0.0023						
3/14/2017		<0.0013			0.011	<0.0013	<0.0013
3/15/2017			<0.0013	0.0027			
5/15/2017	<0.0013						
5/18/2017		<0.0013	<0.0013	0.0036	0.018	<0.0013	<0.0013
3/12/2018	0.00046 (J)						
3/14/2018		0.00067 (J)	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.0013
6/5/2018	0.00049 (J)						
6/10/2018		0.00028 (J)			0.015	0.00043 (J)	<0.0013
6/11/2018			0.00028 (J)	0.003			
10/16/2018	<0.0013						
10/18/2018		<0.0013		0.0016	0.0049	<0.0013	<0.0013
10/19/2018			<0.0013				
2/27/2019	<0.0013	<0.0013					
3/1/2019					0.0026	<0.0013	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.0013	<0.0013					
6/3/2019			<0.0013		0.0039	<0.0013	<0.0013
6/11/2019				0.0014			
11/6/2019	<0.0013	<0.0013					
11/7/2019				0.002	0.0085		
11/9/2019			<0.0013			0.00041	<0.0013
4/16/2020	<0.0013	<0.0013					
4/17/2020				0.0022			<0.0013
4/18/2020			0.00019 (J)		0.0084	0.0004	
10/7/2020	<0.0013	<0.0013					
10/8/2020			<0.0013	0.0014	0.0045	<0.0013	<0.0013
3/29/2021	<0.0013	<0.0013					
3/30/2021			<0.0013	0.0019		<0.0013	<0.0013
3/31/2021					0.011		
9/2/2021	<0.0013	<0.0013					
9/3/2021					0.0054	<0.0013	<0.0013
9/7/2021			<0.0013	0.0014			
3/22/2022	<0.0013	<0.0013					
3/23/2022			0.00025		0.0067	0.00023 (J)	<0.0013
3/24/2022				0.0014			

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0013	<0.0013					
9/8/2022							0.0016
9/9/2022			0.0044	0.0012 (J)	0.02	0.0014	
4/6/2023	0.00084 (J)	<0.0013					
4/7/2023					0.016	0.001 (J)	<0.0013
4/10/2023			0.0011 (J)	0.00086 (J)			

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013				
3/1/2016					<0.0013	<0.0013
3/2/2016			<0.0013	0.0025 (J)		
5/2/2016	<0.0013	0.00025 (J)				<0.0013
5/3/2016					<0.0013	
5/5/2016			<0.0013	0.0033		
7/5/2016	<0.0013	<0.0013			<0.0013	<0.0013
7/7/2016			<0.0013	0.0031		
9/6/2016	<0.0013	0.00027 (J)			<0.0013	<0.0013
9/7/2016			<0.0013	0.0034		
11/7/2016	<0.0013	<0.0013			<0.0013	<0.0013
11/10/2016			<0.0013	0.0038		
1/9/2017	<0.0013	<0.0013			<0.0013	<0.0013
1/12/2017			<0.0013	0.0034		
3/13/2017	<0.0013	0.0025			<0.0013	<0.0013
3/14/2017			<0.0013			
3/15/2017				0.0032		
5/15/2017	<0.0013	<0.0013			<0.0013	<0.0013
5/18/2017			<0.0013	0.0034		
3/12/2018	0.00064 (J)	0.00047 (J)			0.00026 (J)	<0.0013
3/14/2018			<0.0013	0.0038		
6/5/2018	0.00098 (J)	0.00065 (J)				
6/6/2018					0.00025 (J)	0.00026 (J)
6/11/2018			<0.0013	0.0037		
10/16/2018	<0.0013	<0.0013				
10/17/2018					<0.0013	<0.0013
10/18/2018			<0.0013	0.0033		
2/27/2019	<0.0013	<0.0013			<0.0013	<0.0013
3/1/2019			<0.0013	0.0033		
5/31/2019	<0.0013	<0.0013			<0.0013	<0.0013
6/3/2019			<0.0013	0.0035		
11/6/2019	<0.0013	0.00034			<0.0013	<0.0013
11/7/2019			0.00024 (J)	0.0034		
4/16/2020	<0.0013	0.0004			<0.0013	<0.0013
4/17/2020			0.0002 (J)	0.0039		
10/7/2020	<0.0013	<0.0013			<0.0013	<0.0013
10/9/2020			<0.0013	0.0031		
3/29/2021	<0.0013	<0.0013			<0.0013	<0.0013
3/31/2021			<0.0013	0.0046		
9/2/2021	<0.0013	<0.0013			<0.0013	<0.0013
9/3/2021			<0.0013	0.0035		
3/22/2022	<0.0013	0.00051			<0.0013	<0.0013
3/23/2022			0.00035	0.0034		
9/7/2022	<0.0013					
9/8/2022		<0.0013	0.002		<0.0013	0.0034
9/9/2022				0.0045		
4/6/2023	<0.0013	0.001 (J)				0.00087 (J)
4/7/2023					0.0015	
4/10/2023			0.0015	0.0027		

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<5	<5					
3/1/2016			<5	26	380	17	<5
5/2/2016	15 (o)						
5/4/2016		<5					<5
5/5/2016			<5	31	280	11	
7/5/2016	<5						
7/7/2016			<5	31	330	33	
7/8/2016		<5					<5
9/6/2016	<5	<5	<5				
9/7/2016				41	550	18	<5
11/7/2016	<5						
11/9/2016					700	52	<5
11/10/2016		<5	<5	39			
1/9/2017	<5						
1/11/2017		<5			670	31	<5
1/12/2017			<5	35			
3/13/2017	2.5 (J)						
3/14/2017		<5			670	20	<5
3/15/2017			<5 (*)	43			
5/15/2017	<5						
5/18/2017		<5 (X)	<5 (X)	35	790	35	<5 (X)
10/2/2017	<5						
10/5/2017		<5			500	7.7	<5
10/6/2017			<5	39			
12/19/2017				36 (R)	400 (R)	51 (R)	
3/12/2018	<5						
3/14/2018		<5	<5	38	540	22	<5
6/5/2018	<5						
6/10/2018		1.5 (J)			760	96	1.4 (J)
6/11/2018			1.7 (J)	34			
10/16/2018	<5						
10/18/2018		<5		31	460	6.6	<5
10/19/2018			3.4 (J)				
2/27/2019	<5	1.9 (J)					
3/1/2019					240	9.6	<5
3/2/2019			<5	35			
5/31/2019	<5	<5					
6/3/2019			3.5 (J)		480	58	<5
6/11/2019				32			
11/6/2019	<5	<5					
11/7/2019				27	610		
11/9/2019			<5			120	<5
4/16/2020	<5	<5					
4/17/2020				31			<5
4/18/2020			<5		670	32	
10/7/2020	<5	<5					
10/8/2020			<5	30	590	9.3	<5
3/29/2021	<5	<5					
3/30/2021			<5	32		7.6	<5
3/31/2021					670		
9/2/2021	<5	<5					
9/3/2021					480	9.3	<5

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<5	22			
3/22/2022	<5	<5					
3/23/2022			1.8 (J)		560	24	<5
3/24/2022				28			
9/7/2022	1.7 (J)	1.5 (J)					
9/8/2022							<5
9/9/2022			27	20	870	17	
4/6/2023	<5	<5					
4/7/2023					780	110	<5
4/10/2023			<5	34			

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	1.6 (J)				
3/1/2016					<5	<5
3/2/2016			13	150		
5/2/2016	<5	2.1 (J)				<5
5/3/2016					<5	
5/5/2016			15	200		
7/5/2016	<5	2 (J)			<5	<5
7/7/2016			14	200		
9/6/2016	<5	1.8 (J)			<5	3.7 (J)
9/7/2016			15	200		
11/7/2016	<5	1.7 (J)			<5	<5
11/10/2016			13	130		
1/9/2017	2.6 (J)	1.5 (J)			<5	<5
1/12/2017			12	240		
3/13/2017	<5	2.2 (J)			<5	<5
3/14/2017			10 (V)			
3/15/2017				300		
5/15/2017	<5	1.9 (J)			<5	<5
5/18/2017			8.7	270		
10/2/2017	<5	3.4 (J)			1.5 (J)	1.7 (J)
10/5/2017			9.8			
10/6/2017				140		
12/19/2017			8.4 (R)	280 (R)		
3/12/2018	<5	2.6 (J)			<5	<5
3/14/2018			9.7	270		
6/5/2018	<5	2.6 (J)				
6/6/2018					<5	<5
6/11/2018			10	270		
10/16/2018	<5	2.8 (J)				
10/17/2018					<5	<5
10/18/2018			8.1	280		
2/27/2019	<5	2.4 (J)			<5	<5
3/1/2019			7.4	250		
5/31/2019	<5	3.3 (J)			<5	<5
6/3/2019			21	150		
11/6/2019	<5	3.7 (J)			<5	<5
11/7/2019			16	290		
4/16/2020	<5	1.7 (J)			<5	<5
4/17/2020			12	280		
10/7/2020	<5	4 (J)			<5	<5
10/9/2020			25	280		
3/29/2021	<5	2.3			<5	<5
3/31/2021			15	250		
9/2/2021	<5	4.7 (J)			<5	<5
9/3/2021			32	160		
3/22/2022	<5	4.5 (J)			<5	<5
3/23/2022			28	270		
9/7/2022	1.4 (J)					
9/8/2022		5.5	34		<5	<5
9/9/2022				270		
4/6/2023	<5	4.8 (J)				<5
4/7/2023					<5	

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			15	180		

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0005	<0.0005	0.00043 (J)	<0.0005	<0.0005
5/2/2016	<0.0005						
5/4/2016		<0.0005					<0.0005
5/5/2016			<0.0005	<0.0005	0.0003 (J)	<0.0005	
7/5/2016	<0.0005						
7/7/2016			<0.0005	<0.0005	0.00028 (J)	<0.0005	
7/8/2016		<0.0005					<0.0005
9/6/2016	<0.0005	<0.0005	<0.0005				
9/7/2016				<0.0005	0.00028 (J)	<0.0005	<0.0005
11/7/2016	<0.0005						
11/9/2016					0.0003 (J)	<0.0005	<0.0005
11/10/2016		<0.0005	<0.0005	<0.0005			
1/9/2017	<0.0005						
1/11/2017		<0.0005			0.00032 (J)	<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005			
3/13/2017	<0.0005						
3/14/2017		<0.0005			0.00032 (J)	<0.0005	<0.0005
3/15/2017			<0.0005	<0.0005			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0005	<0.0005	0.0004 (J)	<0.0005	<0.0005
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0005	<0.0005	0.00021 (J)	<0.0005	<0.0005
6/5/2018	<0.0005						
6/10/2018		<0.0005			0.00033 (J)	<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005			
10/16/2018	<0.0005						
10/18/2018		<0.0005		<0.0005	0.00021 (J)	<0.0005	<0.0005
10/19/2018			<0.0005				
2/27/2019	<0.0005	<0.0005					
3/1/2019					0.00013 (J)	<0.0005	<0.0005
3/2/2019			<0.0005	<0.0005			
5/31/2019	<0.0005	<0.0005					
6/3/2019			<0.0005		0.00016 (J)	<0.0005	<0.0005
6/11/2019				<0.0005			
11/6/2019	<0.0005	<0.0005					
11/7/2019				2.6E-05 (J)	0.00025		
11/9/2019			0.00021 (J)			0.00024 (J)	<0.0005
4/16/2020	<0.0005	<0.0005					
4/17/2020				<0.0005			<0.0005
4/18/2020			<0.0005		0.00033	<0.0005	
10/7/2020	<0.0005	<0.0005					
10/8/2020			<0.0005	0.00015 (J)	0.00034 (J)	<0.0005	<0.0005
3/29/2021	<0.0005	<0.0005					
3/30/2021			<0.0005	<0.0005		<0.0005	<0.0005
3/31/2021					0.00031		
9/2/2021	0.00015 (J)	<0.0005					
9/3/2021					0.00037 (J)	0.00012 (J)	<0.0005
9/7/2021			<0.0005	<0.0005			
3/22/2022	<0.0005	<0.0005					
3/23/2022			<0.0005		<0.0005	<0.0005	<0.0005
3/24/2022				<0.0005			

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0005	<0.0005					
9/8/2022							<0.0005
9/9/2022			<0.0005	<0.0005	0.00051	<0.0005	
4/6/2023	<0.0005	<0.0005					
4/7/2023					<0.0005	<0.0005	<0.0005
4/10/2023			<0.0005	<0.0005			

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0005	0.00018 (J)		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0005	0.00024 (J)		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0005	0.00025 (J)		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0005	0.00023 (J)		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0005	0.0002 (J)		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0005	0.00026 (J)		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0005			
3/15/2017				0.0003 (J)		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0005	0.00028 (J)		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0005	0.00029 (J)		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0005	0.00029 (J)		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0005	0.00031 (J)		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0005	0.0003 (J)		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0005	0.0002 (J)		
11/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
11/7/2019			<0.0005	0.00024 (J)		
4/16/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/17/2020			<0.0005	0.00031		
10/7/2020	<0.0005	<0.0005			<0.0005	<0.0005
10/9/2020			0.00012 (J)	0.00037 (J)		
3/29/2021	<0.0005	<0.0005 (D)			<0.0005	<0.0005
3/31/2021			<0.0005	0.00028		
9/2/2021	<0.0005	<0.0005			<0.0005	<0.0005
9/3/2021			<0.0005	0.00022 (J)		
3/22/2022	<0.0005	<0.0005			<0.0005	<0.0005
3/23/2022			<0.0005	<0.0005		
9/7/2022	<0.0005					
9/8/2022		<0.0005	<0.0005		<0.0005	<0.0005
9/9/2022				<0.0005		
4/6/2023	<0.0005	<0.0005				<0.0005
4/7/2023					<0.0005	
4/10/2023			<0.0005	<0.0005		

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	20	20					
3/1/2016			<5	84	760	290	<5
5/2/2016	<5						
5/4/2016		6					12
5/5/2016			<5	76	620	250	
7/5/2016	12						
7/7/2016			24	54	640	270	
7/8/2016		6					10
9/6/2016	36	36	40				
9/7/2016				82	1100	270	10
11/7/2016	18						
11/9/2016					1300	330	26
11/10/2016		16	20	80			
1/9/2017	4 (J)						
1/11/2017		38			1600	330	28
1/12/2017			54	110			
3/13/2017	6						
3/14/2017		<5			1200	260	<5
3/15/2017			14	82			
5/15/2017	<5						
5/18/2017		10	38	100	1500	360	26
10/2/2017	<5						
10/5/2017		<5			980	240	<5
10/6/2017			22	110			
12/19/2017				72 (R)	900 (R)	460 (R)	
3/12/2018	18						
3/14/2018		8	14	66	1100	300	<5
6/5/2018	10						
6/10/2018		8			1500	560	6
6/11/2018			8	96			
10/16/2018	32						
10/18/2018		28		64	860	250	68
10/19/2018			54				
2/27/2019	110	68					
3/1/2019					440	210	28
3/2/2019			28	210			
5/31/2019	46	<5					
6/3/2019			54		950	500	28
6/11/2019				110			
11/6/2019	<5	10					
11/7/2019				50	980		
11/9/2019			24			720	42
4/16/2020	28	44					
4/17/2020				70			48
4/18/2020			54		1100	180	
10/7/2020	30	24					
10/8/2020			32	120	500	260	100
3/29/2021	38	26					
3/30/2021			32	170		340	12
3/31/2021					1100		
9/2/2021	40	8					
9/3/2021					1000	210	<5

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			10	62			
3/22/2022	58	14					
3/23/2022			36		1300	230	30
3/24/2022				90			
9/7/2022	36	14					
9/8/2022							18
9/9/2022			62	48	1400	200	
4/6/2023	34	24					
4/7/2023					1100	320	26
4/10/2023			14	100			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	12				
3/1/2016					10	<5
3/2/2016			30	440		
5/2/2016	<5	6				36
5/3/2016					<5	
5/5/2016			38	480		
7/5/2016	14	<5			<5	<5
7/7/2016			22	470		
9/6/2016	30	38			36	44
9/7/2016			38	440		
11/7/2016	8	<5			<5	30
11/10/2016			38	260		
1/9/2017	<5	14			<5	12
1/12/2017			40	630		
3/13/2017	<5	8			22	20
3/14/2017			22			
3/15/2017				620		
5/15/2017	<5	<5			6	4 (J)
5/18/2017			24	640		
10/2/2017	<5	6			16	24
10/5/2017			<5			
10/6/2017				360		
12/19/2017				840 (R)		
3/12/2018	14	<5			<5	<5
3/14/2018			12	660		
6/5/2018	<5	14				
6/6/2018					20	16
6/11/2018			26	670		
10/16/2018	12	6				
10/17/2018					44	44
10/18/2018			34	750		
2/27/2019	54	110			20	28
3/1/2019			42	640		
5/31/2019	8	26			32	18
6/3/2019			54	420		
11/6/2019	4 (J)	<5			24	20
11/7/2019			24	540		
4/16/2020	18	8			6	8
4/17/2020			28	600		
10/7/2020	20	26			16	12
10/9/2020			86	660		
3/29/2021	12	28			42	40
3/31/2021			66	620		
9/2/2021	10	8			10	<5
9/3/2021			170	580		
3/22/2022	18	46			84	22
3/23/2022			90	630		
9/7/2022	22					
9/8/2022		44	80		24	48
9/9/2022				560		
4/6/2023	22	14				16
4/7/2023					24	

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:55 PM View: 100 Series

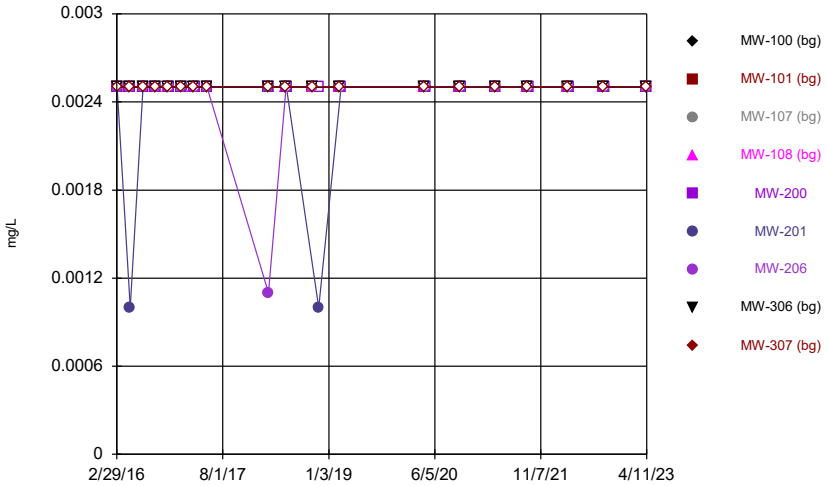
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			82	540		

200 Series

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

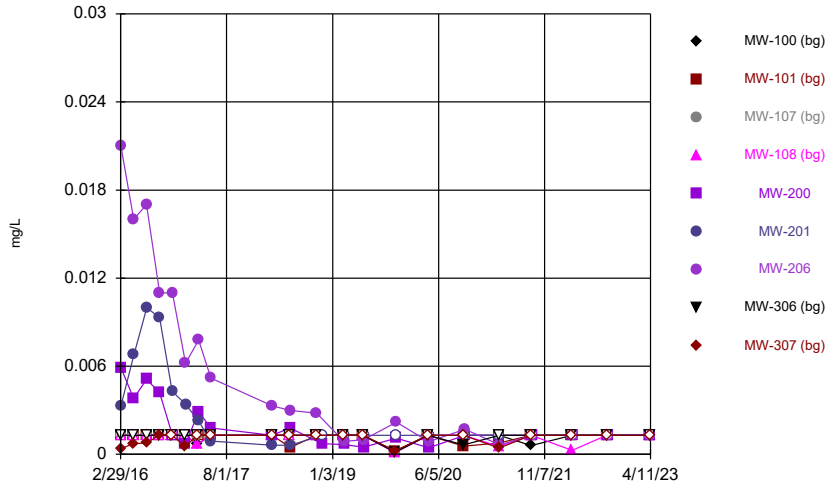
Time Series



Constituent: Antimony Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

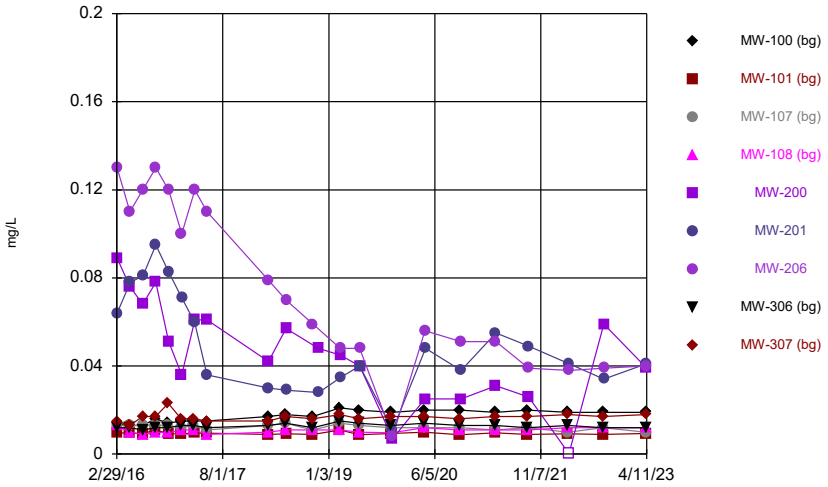
Time Series



Constituent: Arsenic Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

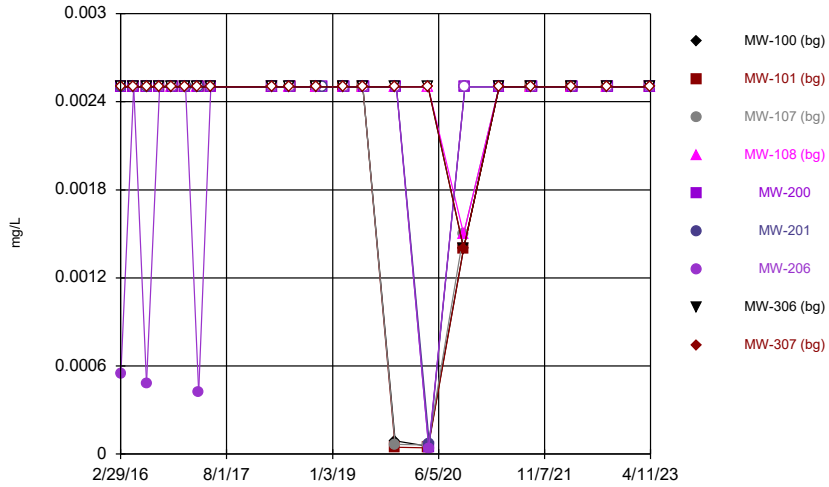
Time Series



Constituent: Barium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

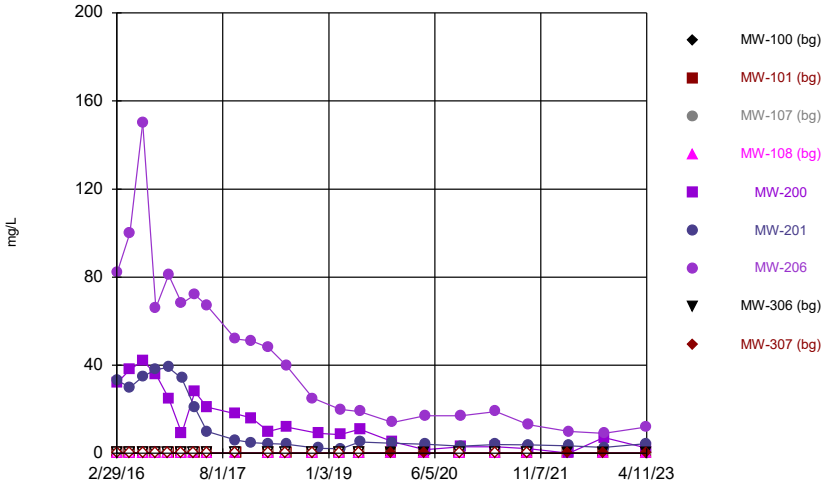
Time Series



Constituent: Beryllium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

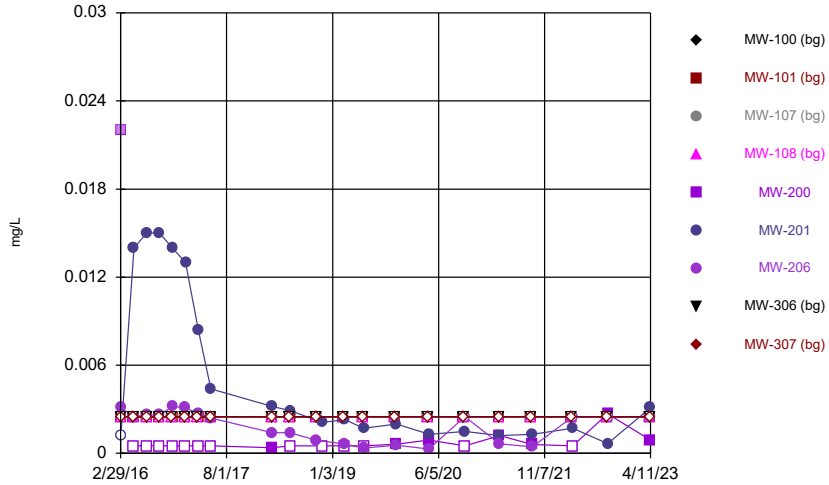
Time Series



Constituent: Boron Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

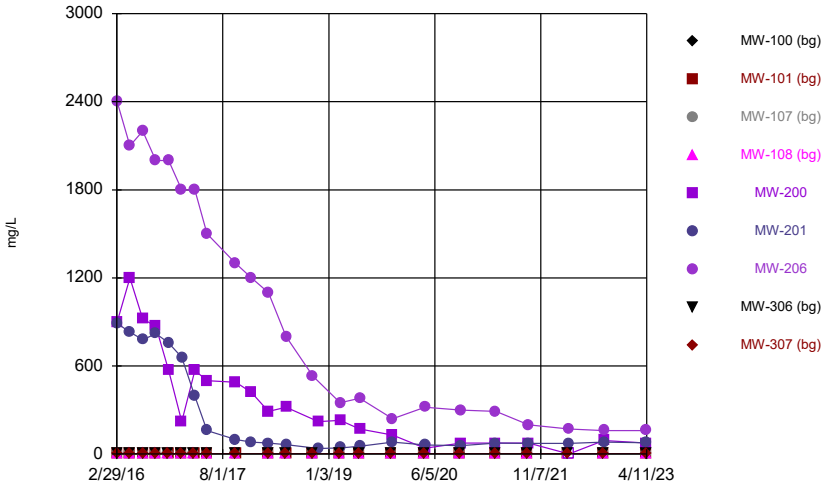
Time Series



Constituent: Cadmium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

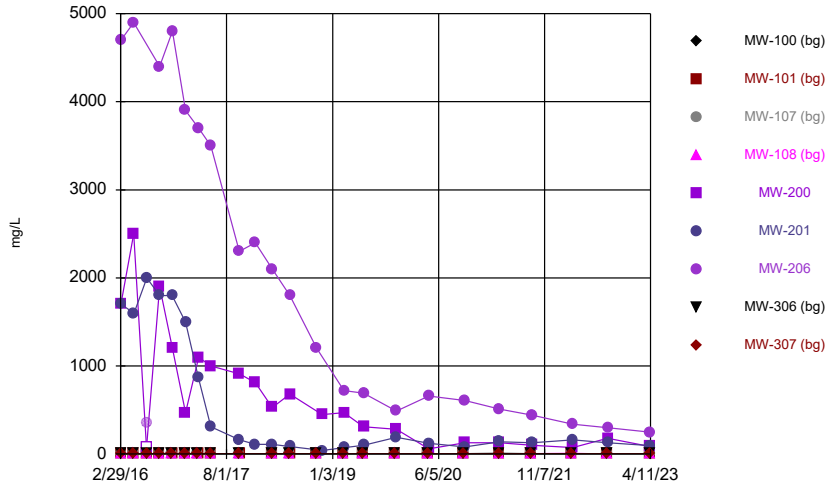
Time Series



Constituent: Calcium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

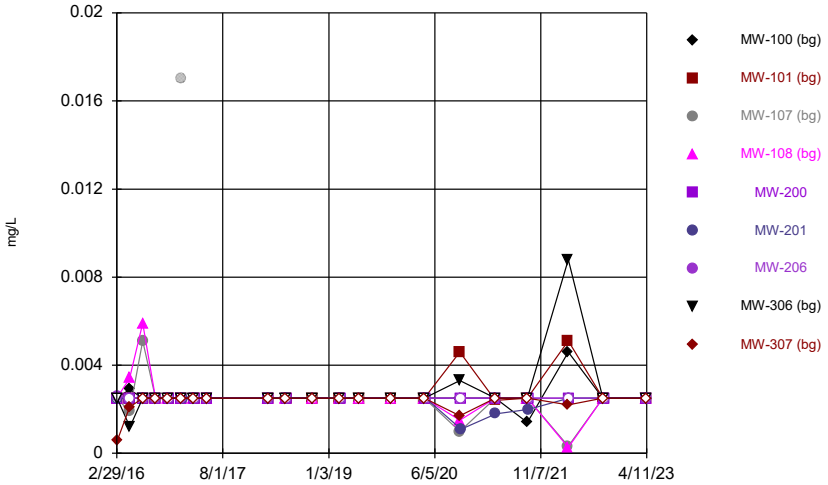
Time Series



Constituent: Chloride Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

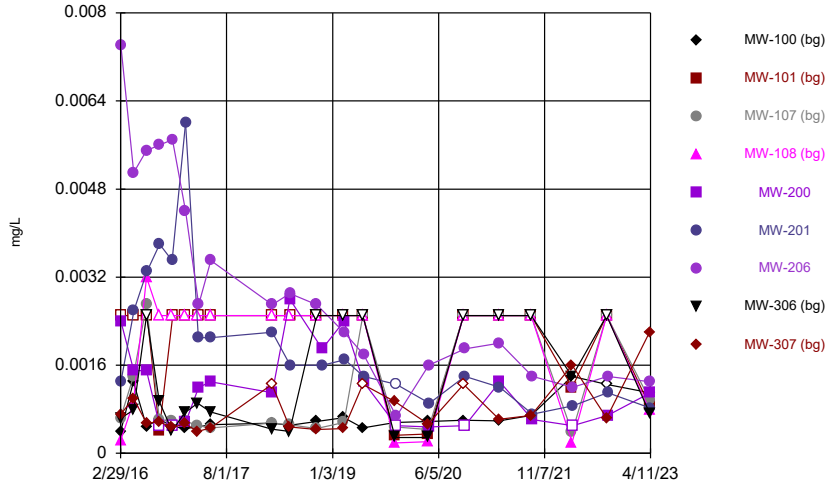
Time Series



Constituent: Chromium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

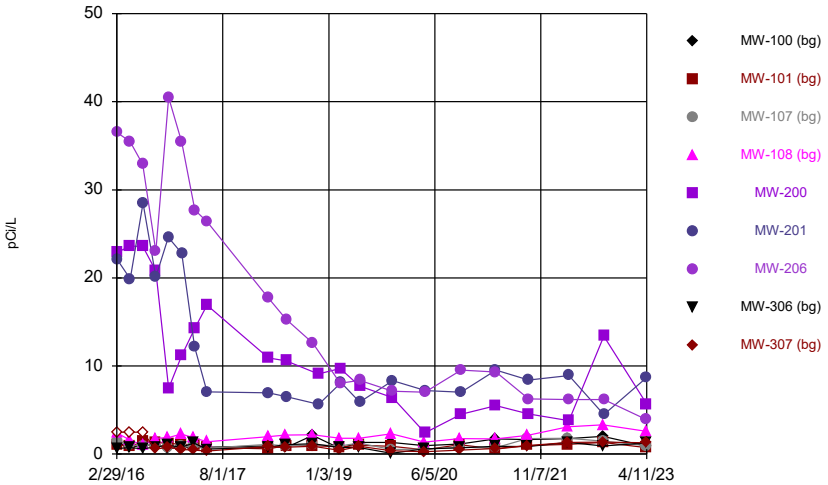
Time Series



Constituent: Cobalt Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

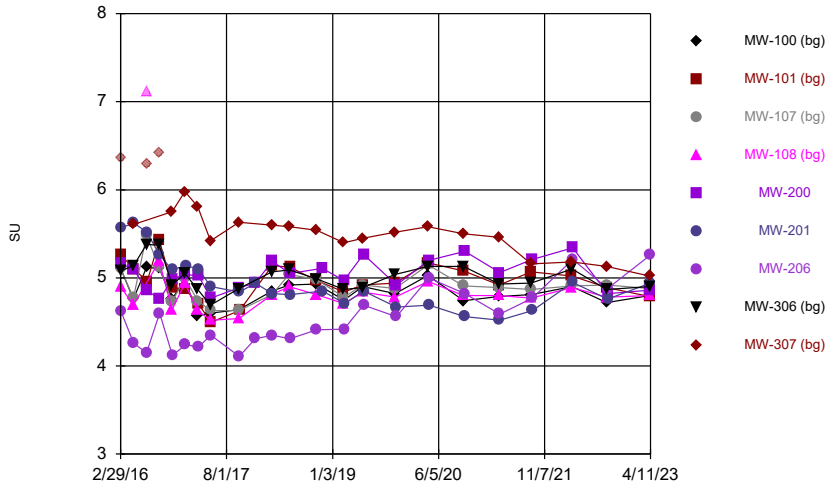
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

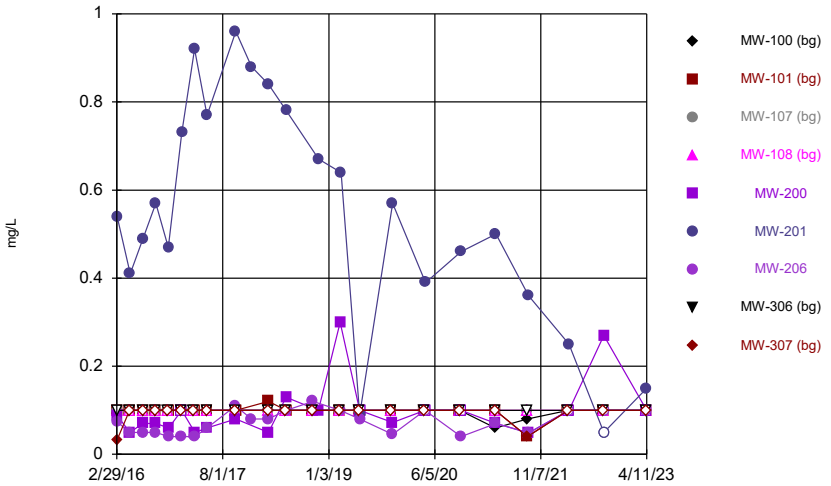
Time Series



Constituent: Field pH Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

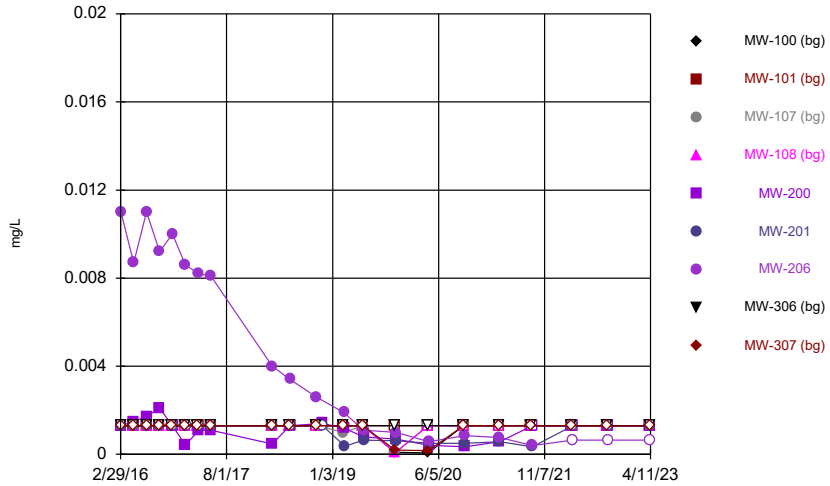
Time Series



Constituent: Fluoride Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

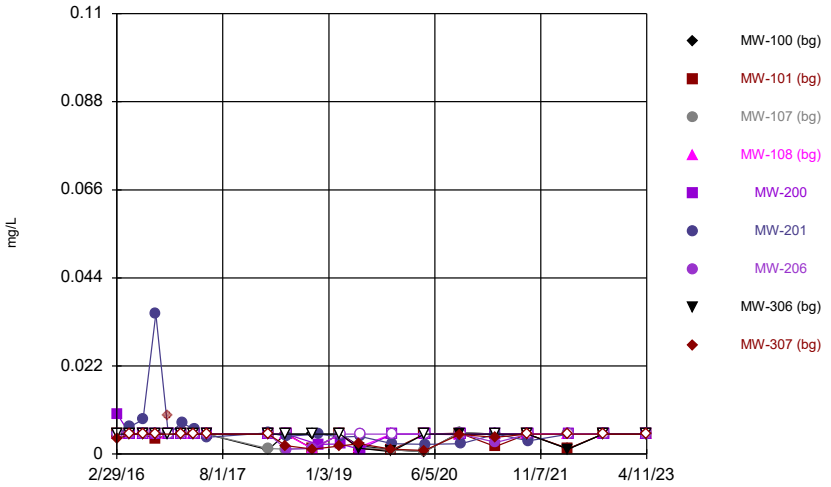
Time Series



Constituent: Lead Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

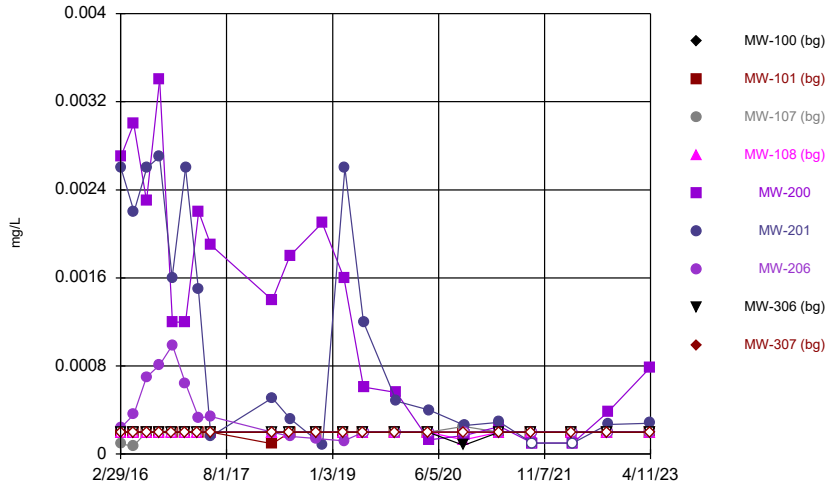
Time Series



Constituent: Lithium Analysis Run 8/24/2023 1:41 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

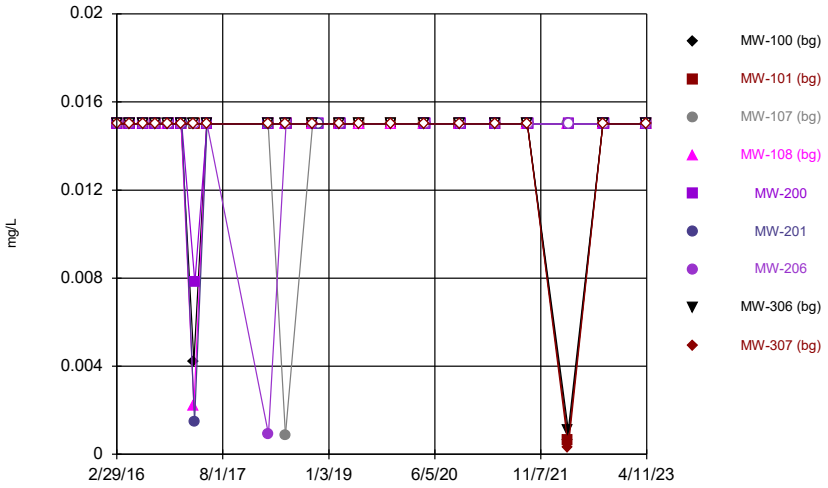
Time Series



Constituent: Mercury Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

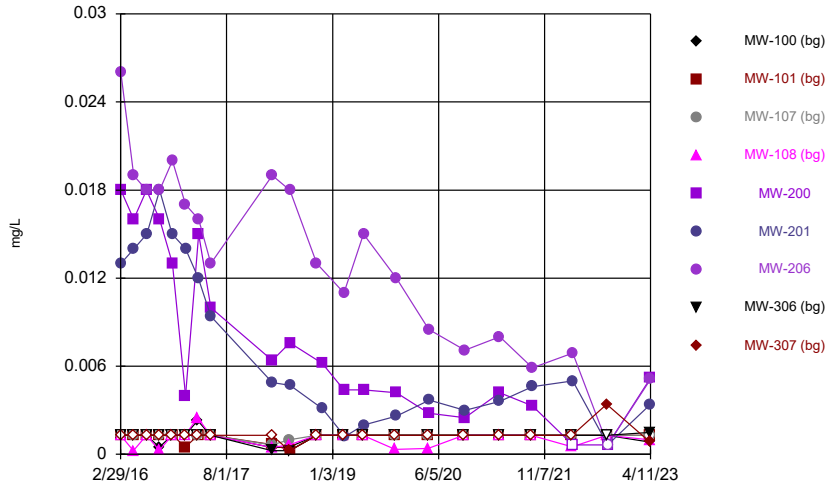
Time Series



Constituent: Molybdenum Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

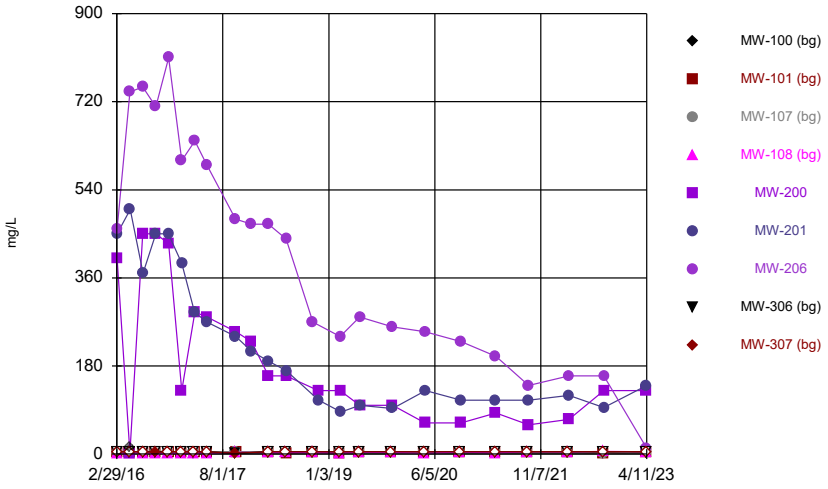
Time Series



Constituent: Selenium Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

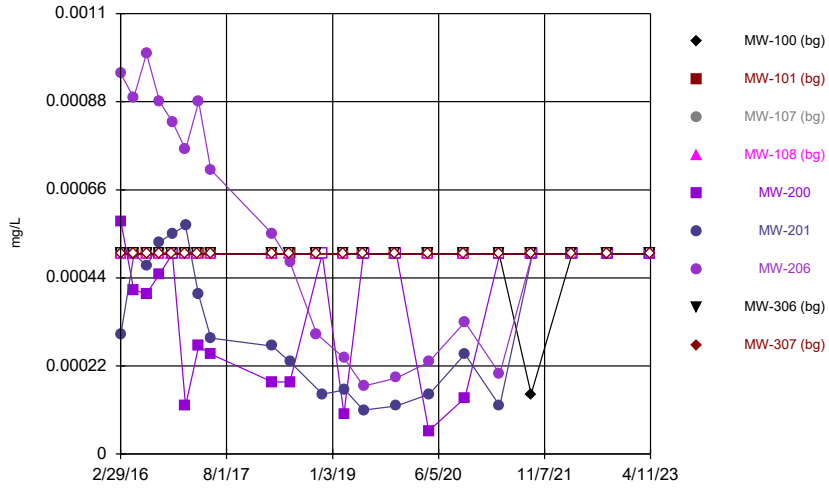
Time Series



Constituent: Sulfate Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

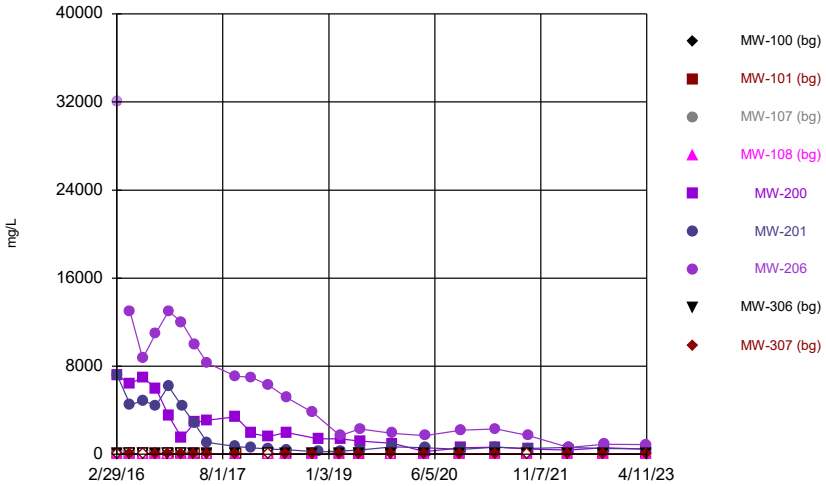
Time Series



Constituent: Thallium Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:42 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016								<0.0025	<0.0025
3/2/2016					<0.0025	<0.0025	<0.0025		
5/2/2016	<0.0025		<0.0025	<0.0025					<0.0025
5/3/2016					<0.0025		<0.0025	<0.0025	
5/4/2016		<0.0025				0.001 (J)			
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
7/6/2016						<0.0025			
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
1/11/2017		<0.0025							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017		<0.0025							
3/16/2017						<0.0025			
3/17/2017					<0.0025		<0.0025		
5/15/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/13/2018					<0.0025				
3/14/2018		<0.0025				<0.0025	0.0011 (J)		
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018								<0.0025	<0.0025
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018							<0.0025	<0.0025	<0.0025
10/18/2018		<0.0025							
11/13/2018					<0.0025				
11/14/2018						0.001 (J)			
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/18/2020					<0.0025		<0.0025		
4/22/2020						<0.0025			
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/12/2020					<0.0025	<0.0025	<0.0025		
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/1/2021					<0.0025	<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2021					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	<0.0025
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
4/7/2023								<0.0025	
4/11/2023					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016								<0.0013	0.00038 (J)
3/2/2016					0.0059 (J)	0.0033 (J)	0.021		
5/2/2016	<0.0013		<0.0013	<0.0013					0.00073 (J)
5/3/2016					0.0038		0.016	<0.0013	
5/4/2016		<0.0013				0.0068			
7/5/2016	<0.0013		<0.0013	<0.0013	0.0051		0.017	<0.0013	0.00077 (J)
7/6/2016						0.01			
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	0.0013
9/8/2016					0.0042 (J)	0.0093	0.011		
11/7/2016	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
11/8/2016						0.0043 (J)			
11/9/2016					<0.0013		0.011		
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013				<0.0013	0.00053 (J)
1/11/2017		<0.0013							
1/12/2017					0.00068 (J)		0.0062		
1/13/2017						0.0034			
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)				<0.0013	<0.0013
3/14/2017		<0.0013							
3/16/2017						0.0023			
3/17/2017					0.0029		0.0078		
5/15/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
5/16/2017					0.0018				
5/17/2017						0.0009 (J)	0.0052		
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
3/13/2018					0.0013				
3/14/2018		<0.0013				0.00062 (J)	0.0033		
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018								<0.0013	<0.0013
6/8/2018					0.0018		0.003		
6/9/2018						0.00063 (J)			
6/10/2018		0.00046 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018							0.0028	<0.0013	<0.0013
10/18/2018		<0.0013							
11/13/2018					0.00072 (J)				
11/14/2018						<0.0013			
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
2/28/2019					0.00067 (J)		0.00089 (J)		
3/5/2019						<0.0013			
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
6/4/2019					0.00048 (J)	<0.0013	0.001 (J)		
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)				0.00014 (J)	0.00024 (J)
11/12/2019					0.0011 (J)	<0.0013	0.0022 (V)		
4/16/2020	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
4/18/2020					0.00044		0.00086		
4/22/2020						<0.0013			
10/7/2020	<0.0013	0.00056 (J)	<0.0013	<0.0013				0.00064 (J)	<0.0013
10/12/2020					<0.0013	<0.0013	0.0017		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0013	0.00078	<0.0013	0.00054				<0.0013	0.00042
4/1/2021					<0.0013	<0.0013	0.00064		
9/2/2021	0.00059 (J)	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2021					<0.0013	<0.0013	<0.0013		
3/22/2022	<0.0013	<0.0013	<0.0013	0.00027				<0.0013	<0.0013
3/25/2022					<0.0013	<0.0013	<0.0013		
9/7/2022	<0.0013	<0.0013	<0.0013						
9/8/2022				<0.0013				<0.0013	<0.0013
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	<0.0013	<0.0013	<0.0013	<0.0013					<0.0013
4/7/2023								<0.0013	
4/11/2023					<0.0013	<0.0013	<0.0013		

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

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016								0.012	0.015
3/2/2016					0.089	0.064	0.13		
5/2/2016	0.013		0.013	0.01					0.013
5/3/2016					0.076		0.11	0.012	
5/4/2016		0.0095				0.078			
7/5/2016	0.013		0.013	0.0089	0.068		0.12	0.011	0.017
7/6/2016						0.081			
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01				0.012	0.017
9/8/2016					0.078	0.095	0.13		
11/7/2016	0.014		0.013	0.0096				0.012	0.023
11/8/2016						0.083			
11/9/2016					0.051		0.12		
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011				0.013	0.016
1/11/2017		0.0092							
1/12/2017					0.036		0.1		
1/13/2017						0.071			
3/13/2017	0.015		0.013	0.011				0.013	0.016
3/14/2017		0.0095							
3/16/2017						0.06			
3/17/2017					0.061		0.12		
5/15/2017	0.015		0.011	0.0089				0.012	0.015
5/16/2017					0.061				
5/17/2017						0.036	0.11		
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01				0.013	0.015
3/13/2018					0.042				
3/14/2018		0.0089				0.03	0.079		
6/5/2018	0.018		0.014	0.011					
6/6/2018								0.014	0.017
6/8/2018					0.057		0.07		
6/9/2018						0.029			
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018							0.059	0.012	0.016
10/18/2018		0.0089							
11/13/2018					0.048				
11/14/2018						0.028			
2/27/2019	0.021	0.011	0.014	0.011				0.015	0.018
2/28/2019					0.045		0.048		
3/5/2019						0.035			
5/31/2019	0.02	0.0088	0.013	0.01				0.014	0.016
6/4/2019					0.04	0.04	0.048		
11/6/2019	0.019	0.0094	0.012	0.0097				0.013	0.017
11/12/2019					0.0071	0.011	0.0081		
4/16/2020	0.02	0.0099	0.012	0.012				0.014	0.017
4/18/2020					0.025		0.056		
4/22/2020						0.048			
10/7/2020	0.02	0.0088	0.012	0.011				0.013	0.016
10/12/2020					0.025	0.038	0.051		

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	0.019	0.0097	0.011	0.011				0.013	0.017
4/1/2021					0.031	0.055	0.051		
9/2/2021	0.02	0.0089	0.012	0.011				0.012	0.017
9/8/2021					0.026	0.049	0.039		
3/22/2022	0.019	0.0092	0.01	0.012				0.013	0.018
3/25/2022					<0.0005	0.041	0.038		
9/7/2022	0.019	0.0089	0.012						
9/8/2022				0.012				0.012	0.017
9/13/2022					0.059	0.034	0.039		
4/6/2023	0.019	0.0093	0.01	0.012					0.018
4/7/2023								0.012	
4/11/2023					0.039	0.041	0.04		

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016								<0.0025	<0.0025
3/2/2016					<0.0025	<0.0025	0.00055 (J)		
5/2/2016	<0.0025		<0.0025	<0.0025					<0.0025
5/3/2016					<0.0025		<0.0025	<0.0025	
5/4/2016		<0.0025				<0.0025			
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025		0.00048 (J)	<0.0025	<0.0025
7/6/2016						<0.0025			
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
1/11/2017		<0.0025							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017		<0.0025							
3/16/2017						<0.0025			
3/17/2017					<0.0025		0.00042 (J)		
5/15/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/13/2018					<0.0025				
3/14/2018		<0.0025				<0.0025	<0.0025		
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018								<0.0025	<0.0025
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018							<0.0025	<0.0025	<0.0025
10/18/2018		<0.0025							
11/13/2018					<0.0025 (J3)				
11/14/2018						<0.0025 (J3)			
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
6/4/2019					<0.0025	<0.0025	<0.0025		
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0025				<0.0025	<0.0025
11/12/2019					<0.0025	<0.0025	<0.0025		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0025				<0.0025	<0.0025
4/18/2020					4.5E-05 (J)		4.1E-05 (J)		
4/22/2020						6.9E-05 (J)			
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)				0.0014 (J)	0.0014 (J)
10/12/2020					<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/1/2021					<0.0025	<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2021					<0.0025	<0.0025	<0.0025		
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	<0.0025
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
4/7/2023								<0.0025	
4/11/2023					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.018	<0.05	<0.018	<0.018					
3/1/2016								<0.05	<0.05
3/2/2016					32	33	82		
5/2/2016	<0.018		<0.018	<0.018					<0.05
5/3/2016					38		100	<0.05	
5/4/2016		<0.05				30			
7/5/2016	<0.018		<0.018	<0.018	42		150	<0.05	<0.05
7/6/2016						35			
7/8/2016		<0.05							
9/6/2016	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
9/8/2016					36	38	66		
11/7/2016	<0.018		<0.018	<0.018				<0.05	<0.05
11/8/2016						39			
11/9/2016					25		81		
11/10/2016		<0.05							
1/9/2017	<0.018		<0.018	<0.018				<0.05	<0.05
1/11/2017		<0.05							
1/12/2017					9.1		68		
1/13/2017						34			
3/13/2017	<0.018		<0.018	0.022 (J)				<0.05	<0.05
3/14/2017		<0.05							
3/16/2017						21			
3/17/2017					28		72		
5/15/2017	<0.018		<0.018	<0.018				<0.05	<0.05
5/16/2017					21				
5/17/2017						10	67		
5/18/2017		<0.05							
10/2/2017	<0.018		<0.018	0.023 (J)				<0.05	<0.05
10/3/2017							52		
10/4/2017					18	6			
10/5/2017		<0.05							
12/20/2017					16 (R)	4.9 (R)	51		
3/12/2018	<0.018		<0.018	<0.018				<0.05	<0.05
3/13/2018					10				
3/14/2018		<0.05				4.4	48		
6/5/2018	<0.018		<0.018	<0.018					
6/6/2018								<0.05	<0.05
6/8/2018					12		40		
6/9/2018						4.1			
6/10/2018		<0.05							
10/16/2018	<0.018		<0.018	<0.018					
10/17/2018							25	<0.05	<0.05
10/18/2018		0.081							
11/13/2018					9.1				
11/14/2018						2.3			
2/27/2019	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
2/28/2019					8.5		20		
3/5/2019						2.1			
5/31/2019	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
6/4/2019					11	5.2	19		
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)				0.011 (V)	0.0099 (J)
11/12/2019					5.3	4.5	14		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	0.02	0.013	0.013	0.017				0.0075 (J)	0.0055 (J)
4/18/2020					1.6		17		
4/22/2020						4.2			
10/7/2020	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
10/12/2020					3	3.3	17		
3/29/2021	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
4/1/2021					2.9	4	19		
9/2/2021	0.021 (J)	<0.05	0.018 (J)	0.022 (J)				<0.05	<0.05
9/8/2021					2.1	3.8	13		
3/22/2022	0.013	0.012	0.013	0.017				0.009 (J)	0.0063 (J)
3/25/2022					0.0043 (J)	3.4	10		
9/7/2022	0.031 (J)	0.029 (J)	0.031 (J)						
9/8/2022				0.055				0.027 (J)	0.025 (J)
9/13/2022					7.2	2.7	9.1		
4/6/2023	0.021 (J)	0.048 (J)	0.038 (J)	0.035 (J)					0.012 (J)
4/7/2023								0.011 (J)	
4/11/2023					2.4	4.4	12		

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016								<0.0025	<0.0025
3/2/2016					0.022 (o)	<0.0025	0.0031 (J)		
5/2/2016	<0.0025		<0.0025	<0.0025					<0.0025
5/3/2016					<0.0005		0.0025	<0.0025	
5/4/2016		<0.0025				0.014			
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0005		0.0026	<0.0025	<0.0025
7/6/2016						0.015			
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2016					<0.0005	0.015	0.0026 (J)		
11/7/2016	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
11/8/2016						0.014			
11/9/2016					<0.0005		0.0032 (J)		
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
1/11/2017		<0.0025							
1/12/2017					<0.0005		0.0031		
1/13/2017						0.013			
3/13/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017		<0.0025							
3/16/2017						0.0084			
3/17/2017					<0.0005		0.0027		
5/15/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
5/16/2017					<0.0005				
5/17/2017						0.0044	0.0024 (J)		
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/13/2018					0.00039 (J)				
3/14/2018		<0.0025				0.0032	0.0014 (J)		
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018								<0.0025	<0.0025
6/8/2018					<0.0005		0.0014 (J)		
6/9/2018						0.0029			
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018							0.00088 (J)	<0.0025	<0.0025
10/18/2018		<0.0025							
11/13/2018					<0.0005				
11/14/2018						0.0021 (J)			
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
2/28/2019					<0.0005		0.00065 (J)		
3/5/2019						0.0023 (J)			
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
6/4/2019					<0.0005	0.0017 (J)	0.00035 (J)		
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/12/2019					0.00061 (J)	0.002 (J)	0.00055 (J)		
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/18/2020					0.00091		0.00029 (J)		
4/22/2020						0.0013			
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/12/2020					<0.0005	0.0015 (J)	<0.0025		

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/1/2021					0.0012	0.0012	0.00065		
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2021					0.0006 (J)	0.0013 (J)	0.00044 (J)		
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
3/25/2022					<0.0005	0.0017 (J)	<0.0025		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	<0.0025
9/13/2022					0.0027	0.00066 (J)	<0.0025		
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
4/7/2023								<0.0025	
4/11/2023					0.0009 (J)	0.0031	<0.0025		

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016								0.6	1.5
3/2/2016					900	890	2400		
5/2/2016	0.78		0.58	1.1					0.83
5/3/2016					1200		2100	0.55	
5/4/2016		0.62				830			
7/5/2016	0.65		0.43	0.94	920		2200	0.53	1.6
7/6/2016						780			
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1				0.5	1.6
9/8/2016					870	820	2000		
11/7/2016	0.8		0.56	1.2				0.68	1.5
11/8/2016						760			
11/9/2016					570		2000		
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2				0.56	0.98
1/11/2017		0.42							
1/12/2017					220		1800		
1/13/2017						660			
3/13/2017	0.78		0.48	1.3				0.62	0.75
3/14/2017		0.42							
3/16/2017						400			
3/17/2017					570		1800		
5/15/2017	0.76		0.37	1				0.58	0.83
5/16/2017					500				
5/17/2017						160	1500		
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2				0.62	0.83
10/3/2017							1300		
10/4/2017					490	100			
10/5/2017		0.39							
12/20/2017					420 (R)	82 (R)	1200		
3/12/2018	0.88		0.49	1.4				0.59	0.71
3/13/2018					290				
3/14/2018		0.49				75	1100		
6/5/2018	0.9		0.49	1.2					
6/6/2018								0.59	0.68
6/8/2018					320		800		
6/9/2018						64			
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018							530	0.54	0.66
10/18/2018		0.41							
11/13/2018					220				
11/14/2018						38			
2/27/2019	0.96	0.44	0.56	1.3				0.63	0.7
2/28/2019					230		350		
3/5/2019						43			
5/31/2019	0.76	0.28	0.33	1.1				0.45	0.52
6/4/2019					170	54	380 (D)		
11/6/2019	0.88	0.46	0.49	1.2				0.55	0.74
11/12/2019					130	82	240		

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	0.84	0.38	0.36	1.3				0.53	0.59
4/18/2020					40		320		
4/22/2020						61			
10/7/2020	0.93	0.47	0.43	1.6				0.63	0.67
10/12/2020					74	58	300		
3/29/2021	1	0.43	0.46	1.6				0.68	0.75
4/1/2021					75	75	290		
9/2/2021	1.1	0.63	0.47	1.5				0.56	0.73
9/8/2021					74	72	200		
3/22/2022	0.9	0.38	0.33	1.6				0.81	0.7
3/25/2022					<0.05	73	170		
9/7/2022	1	0.6	0.61						
9/8/2022				2.1				0.69	0.82
9/13/2022					93	82	160		
4/6/2023	0.81	0.42	0.32	2.1					0.68
4/7/2023								0.49	
4/11/2023					75	78	160		

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

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016								5.6	4
3/2/2016					1700	1700	4700		
5/2/2016	4.4		6	6.3					3.6
5/3/2016					2500		4900	5.1	
5/4/2016		4.5				1600			
7/5/2016	4.2		5.2	4.8	<140 (*)		360 (o)	4.7	3.6
7/6/2016						2000			
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6				4.4	4
9/8/2016					1900	1800	4400		
11/7/2016	4.2		5.4	5.7				4.6	4.4
11/8/2016						1800			
11/9/2016					1200		4800		
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8				5.3	4.4
1/11/2017		5.3							
1/12/2017					470		3900		
1/13/2017						1500			
3/13/2017	5.2		5.5	6.8				5.6	4.1
3/14/2017		5.5							
3/16/2017						870			
3/17/2017					1100		3700		
5/15/2017	4.8		4.7	6.1				5.2	3.7
5/16/2017					1000				
5/17/2017						310	3500		
5/18/2017		5							
10/2/2017	5.5		6.1	6				5.5	4.8
10/3/2017							2300		
10/4/2017					910	160			
10/5/2017		5.6							
12/20/2017					810 (R)	110 (R)	2400		
3/12/2018	5.3		6.1	5.9				5.6	4
3/13/2018					530				
3/14/2018		5.2				110	2100		
6/5/2018	5.3		5.5	6.5					
6/6/2018								5.6	4.1
6/8/2018					680		1800		
6/9/2018						86			
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018							1200	5.5	3.7
10/18/2018		5.2							
11/13/2018					450				
11/14/2018						41			
2/27/2019	4.6	5.1	5	4.3				5.1	4
2/28/2019					470		720		
3/5/2019						75			
5/31/2019	5.1	5	5.4	4.5				5.4	3.7
6/4/2019					310	98	690		
11/6/2019	5.8	6	6.1	5.7				5.9	4.7
11/12/2019					280	190	490		

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

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	6.1	5.8	5.3	5.6				6.2	4.9
4/18/2020					59		660		
4/22/2020						120			
10/7/2020	6.6	5.9	5.7	5.1				6.1	4.7
10/12/2020					130	82	610		
3/29/2021	10	5.8	5.2	5				6.2	5.4
4/1/2021					130	140	510		
9/2/2021	5.8	5.1	5.1	5.2				5.9	5.1
9/8/2021					100	130	440		
3/22/2022	5.9	4.9	4.7	8.8				5.6	4.8
3/25/2022					76	160	340		
9/7/2022	4.4	3.4	3.6						
9/8/2022				3.4				4.3	5.3
9/13/2022					180	130	300		
4/6/2023	4.3	3.6	3.8	4.2					4.2
4/7/2023								4.1	
4/11/2023					86	96	250		

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016								<0.0025	0.00056 (J)
3/2/2016					<0.0025	<0.0025	0.0026 (J)		
5/2/2016	0.0029		0.0019 (J)	0.0034					0.0021 (J)
5/3/2016					<0.0025		<0.0025	0.0012 (J)	
5/4/2016		<0.0025				<0.0025			
7/5/2016	<0.0025		0.0051	0.0059	<0.0025		<0.0025	<0.0025	<0.0025
7/6/2016						<0.0025			
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0025							
1/9/2017	<0.0025		0.017 (o)	<0.0025				<0.0025	<0.0025
1/11/2017		<0.0025							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017		<0.0025							
3/16/2017						<0.0025			
3/17/2017					<0.0025		<0.0025		
5/15/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/13/2018					<0.0025				
3/14/2018		<0.0025				<0.0025	<0.0025		
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018								<0.0025	<0.0025
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018								<0.0025	<0.0025
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/18/2020					<0.0025		<0.0025		
4/22/2020						<0.0025			
10/7/2020	<0.0025	0.0046	0.001 (J)	0.0015 (J)				0.0033	0.0017 (J)
10/12/2020					<0.0025	0.0011 (J)	<0.0025		
3/29/2021	<0.0025	0.0024	<0.0025	<0.0025				<0.0025	<0.0025
4/1/2021					<0.0025	0.0018	<0.0025		
9/2/2021	0.0014 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2021					<0.0025	0.002 (J)	<0.0025		

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/22/2022	0.0046	0.0051	0.00032 (J)	0.00027 (J)				0.0088	0.0022
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	<0.0025
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
4/7/2023								<0.0025	
4/11/2023					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)					
3/1/2016								0.00064 (J)	0.00071 (J)
3/2/2016					0.0024 (J)	0.0013 (J)	0.0074 (J)		
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)					0.001 (J)
5/3/2016					0.0015 (J)		0.0051	0.00079 (J)	
5/4/2016		<0.0025				0.0026			
7/5/2016	0.00049 (J)		0.0027	0.0032	0.0015 (J)		0.0055	<0.0025	0.00055 (J)
7/6/2016						0.0033			
7/8/2016		<0.0025							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025				0.00094 (J)	0.00057 (J)
9/8/2016					<0.0005	0.0038 (J)	0.0056 (J)		
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025				0.00041 (J)	0.00047 (J)
11/8/2016						0.0035 (J)			
11/9/2016					<0.0005		0.0057 (J)		
11/10/2016		<0.0025							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025				0.00074 (J)	0.00054 (J)
1/11/2017		<0.0025							
1/12/2017					0.00056 (J)		0.0044		
1/13/2017						0.006			
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025				0.00091 (J)	0.0004 (J)
3/14/2017		<0.0025							
3/16/2017						0.0021 (J)			
3/17/2017					0.0012 (J)		0.0027		
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025				0.00075 (J)	0.00046 (J)
5/16/2017					0.0013 (J)				
5/17/2017						0.0021 (J)	0.0035		
5/18/2017		<0.0025							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025				0.00044 (J)	<0.0025
3/13/2018					0.0011 (J)				
3/14/2018		<0.0025				0.0022 (J)	0.0027		
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025					
6/6/2018								0.0004 (J)	0.00048 (J)
6/8/2018					0.0028		0.0029		
6/9/2018						0.0016 (J)			
6/10/2018		<0.0025							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025					
10/17/2018							0.0027	<0.0025	0.00043 (J)
10/18/2018		<0.0025							
11/13/2018					0.0019 (J)				
11/14/2018						0.0016 (J)			
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025				<0.0025	0.00045 (J)
2/28/2019					0.0024 (J)		0.0022 (J)		
3/5/2019						0.0017 (J)			
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
6/4/2019					0.0013 (J)	0.0014 (J)	0.0018 (J)		
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)				0.00029 (J)	0.00094 (J)
11/12/2019					<0.0005	<0.0025	0.00067 (J)		
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)				0.00029 (J)	0.00053
4/18/2020					0.00048 (J)		0.0016		
4/22/2020						0.00091			
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/12/2020					<0.0005	0.0014 (J)	0.0019 (J)		

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	0.00059	<0.0025	<0.0025	<0.0025				<0.0025	0.00062
4/1/2021					0.0013	0.0012	0.002		
9/2/2021	0.00069 (J)	<0.0025	<0.0025	<0.0025				<0.0025	0.00069 (J)
9/8/2021					0.00061 (J)	0.00071 (J)	0.0014 (J)		
3/22/2022	0.0014	0.0012	0.00038 (J)	0.0002 (J)				0.0014	0.0016
3/25/2022					<0.0005	0.00086 (J)	0.0012 (J)		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	0.00064 (J)
9/13/2022					0.00069 (J)	0.0011 (J)	0.0014 (J)		
4/6/2023	0.0011 (J)	0.00087 (J)	0.00098 (J)	0.00078 (J)					0.0022 (J)
4/7/2023								0.00072 (J)	
4/11/2023					0.0011 (J)	0.00082 (J)	0.0013 (J)		

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016								0.647	<5
3/2/2016					22.9	22.1	36.5		
5/2/2016	0.808		1.03	1.62					<5
5/3/2016					23.6		35.5	0.748	
5/4/2016		0.848				19.9			
7/5/2016	0.947		0.961	1.01	23.6		32.9	0.591	<5
7/6/2016						28.5			
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8				0.831	0.566
9/8/2016					20.8	20.1	23		
11/7/2016	0.602		0.818	1.86				0.983	0.784
11/8/2016						24.6			
11/9/2016					7.46		40.5		
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25				0.767	0.541
1/11/2017		1.11							
1/12/2017					11.2		35.4		
1/13/2017						22.8			
3/13/2017	0.693		0.937	1.87				1.26	0.442
3/14/2017		1.01							
3/16/2017						12.2			
3/17/2017					14.3		27.7		
5/15/2017	0.786		0.685	1.4				0.553	0.345
5/16/2017					16.9				
5/17/2017						7.05	26.4		
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97				0.783	0.848
3/13/2018					10.9				
3/14/2018		0.614				6.95	17.7		
6/5/2018	0.713		0.927	2.17					
6/6/2018								1.08	0.78
6/8/2018					10.6		15.3		
6/9/2018						6.52			
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018							12.6	1.19	0.88
10/18/2018		0.944							
11/13/2018					9.09				
11/14/2018						5.66			
2/27/2019	0.651	0.827	0.912	1.8				0.741	0.431
2/28/2019					9.7		8.04		
3/5/2019						8.11			
5/31/2019	1.33	0.99	1.24	1.8				0.759	0.884
6/4/2019					7.7	5.89	8.36		
11/6/2019	1.32	0.892	0.509 (U)	2.32				0.105 (U)	0.366 (U)
11/12/2019					6.4	8.32	7.14		
4/16/2020	0.971	0.497	0.568	1.35				0.588	0.264 (U)
4/18/2020					2.42		7.03		
4/22/2020						7.2			
10/7/2020	1.14	1.07	0.763	1.75				0.709 (U)	0.46 (U)
10/12/2020					4.51	7.02	9.54		

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	1.72	0.561	0.708					0.899	0.642
3/30/2021				1.71					
4/1/2021					5.51	9.55	9.3		
9/2/2021	1.65	0.975	1.75	2.13				0.856	0.951
9/8/2021					4.54	8.42	6.25		
3/22/2022	1.75	1.1	1.78	3.12				1.33	1.32
3/25/2022					3.81	8.93	6.19		
9/7/2022	2	1.32	1.46						
9/8/2022				3.32				0.936	1.36
9/13/2022					13.4	4.5	6.19		
4/6/2023	0.942	0.754	0.97	2.58					1.28
4/7/2023								1.26	
4/11/2023					5.67	8.7	3.9		

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016								5.08	6.37 (o)
3/2/2016					5.16 (D)	5.57	4.62		
5/2/2016	4.76		4.77	4.69					5.605 (D)
5/3/2016					5.1		4.26	5.14	
5/4/2016		5.1				5.62			
7/5/2016	5.12		5.48	7.11 (o)	4.86		4.15	5.38	6.29 (o)
7/6/2016						5.52			
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19				5.37	6.42 (o)
9/8/2016					4.76	5.26	4.6		
11/7/2016	4.76		4.73	4.64				4.92	5.75
11/8/2016						5.09			
11/9/2016					4.99		4.12		
11/10/2016		4.89							
1/9/2017	4.99		5	4.94				5.05	5.98
1/11/2017		4.87							
1/12/2017					5.04		4.24		
1/13/2017						5.14			
3/13/2017	4.57		4.74	4.63				4.87	5.81
3/14/2017		4.71							
3/16/2017						5.1			
3/17/2017					5.02		4.22		
5/15/2017	4.6		4.63	4.52				4.69	5.42
5/16/2017					4.77				
5/17/2017						4.9	4.35		
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54				4.88	5.63
10/3/2017							4.11		
10/4/2017					4.89	4.84			
10/5/2017		4.63							
12/20/2017					4.94 (R)	4.94 (R)	4.31		
3/12/2018	4.85		4.81	4.81				5.07	5.6
3/13/2018					5.19				
3/14/2018		5.14				4.82	4.35		
6/5/2018	4.92		5.04	4.9					
6/6/2018								5.09	5.58
6/8/2018					5.05		4.31		
6/9/2018						4.81			
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018							4.41	4.99	5.54
10/18/2018		4.97							
11/13/2018					5.11				
11/14/2018						4.85			
2/27/2019	4.75	4.84	4.78	4.71				4.87	5.4
2/28/2019					4.97		4.42		
3/5/2019						4.71			
5/31/2019	4.9	4.92	4.92	4.84				4.89	5.45
6/4/2019					5.27	4.85	4.69		
11/6/2019	4.82	4.94	4.88	4.78				5.04	5.52
11/12/2019					4.92	4.67	4.56		

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	5.03	5.17	5.15	4.96				5.13	5.58
4/18/2020					5.2		5		
4/22/2020						4.69			
10/7/2020	4.74	5.08	4.91	4.8				5.13	5.5
10/12/2020					5.3	4.56	4.82		
3/29/2021	4.79	4.92	4.89	4.8				4.93	5.46
4/1/2021					5.06	4.52	4.59		
9/2/2021	4.81	5.07	4.87	4.77				4.94	5.16
9/8/2021					5.21	4.63	4.77		
3/22/2022	4.9	5.02	4.91	4.89				5.1	5.18
3/25/2022					5.34	4.95	5.21		
9/7/2022	4.72	4.89	4.92						
9/8/2022				4.78				4.87	5.13
9/13/2022					4.82	4.76	4.88		
4/6/2023	4.8	4.79	4.88	4.8					5.02
4/7/2023								4.9	
4/11/2023					4.86	4.94	5.26		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016								<0.1	0.033 (J)
3/2/2016					0.088 (J)	0.54	0.074 (J)		
5/2/2016	<0.1		<0.1	<0.1					<0.1
5/3/2016					0.05 (J)		0.05 (J)	<0.1	
5/4/2016		<0.1				0.41			
7/5/2016	<0.1		<0.1	<0.1	0.07 (J)		0.05 (J)	<0.1	<0.1
7/6/2016						0.49			
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
9/8/2016					0.07 (J)	0.57	0.05 (J)		
11/7/2016	<0.1		<0.1	<0.1				<0.1	<0.1
11/8/2016						0.47			
11/9/2016					0.06 (J)		0.04 (J)		
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1				<0.1	<0.1
1/11/2017		<0.1							
1/12/2017					<0.1		0.04 (J)		
1/13/2017						0.73			
3/13/2017	<0.1		<0.1	<0.1				<0.1	<0.1
3/14/2017		<0.1							
3/16/2017						0.92			
3/17/2017					0.05 (J)		0.04 (J)		
5/15/2017	<0.1		<0.1	<0.1				<0.1	<0.1
5/16/2017					0.06 (J)				
5/17/2017						0.77	0.06 (J)		
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1				<0.1	<0.1
10/3/2017							0.11		
10/4/2017					0.08 (J)	0.96			
10/5/2017		<0.1							
12/20/2017						0.88 (R)	0.08 (I)		
3/12/2018	<0.1		<0.1	<0.1				<0.1	<0.1
3/13/2018					0.05 (J)				
3/14/2018		0.12				0.84	0.08 (J)		
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018								<0.1	<0.1
6/8/2018					0.13		0.1		
6/9/2018						0.78			
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018							0.12	<0.1	<0.1
10/18/2018		<0.1							
11/13/2018					0.1				
11/14/2018						0.67			
2/27/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
2/28/2019					0.3		0.1		
3/5/2019						0.64			
5/31/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
6/4/2019					<0.1	0.09 (J)	0.08 (J)		
11/6/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
11/12/2019					0.072 (J)	0.57	0.045 (J)		

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
4/18/2020					<0.1		<0.1		
4/22/2020						0.39			
10/7/2020	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
10/12/2020					<0.1	0.46	0.04 (J)		
3/29/2021	0.06	<0.1	<0.1	<0.1				<0.1	<0.1
4/1/2021					0.07	0.5	0.07		
9/2/2021	0.08 (J)	0.04 (J)	0.1	<0.1				<0.1	0.04 (J)
9/8/2021					0.049 (J)	0.36	0.048 (J)		
3/22/2022	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
3/25/2022					<0.1	0.25	<0.1		
9/7/2022	<0.1	<0.1	<0.1						
9/8/2022				<0.1				<0.1	<0.1
9/13/2022					0.27 (J)	<0.1	<0.1		
4/6/2023	<0.1	<0.1	<0.1	<0.1					<0.1
4/7/2023								<0.1	
4/11/2023					<0.1	0.15	<0.1		

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016								<0.0013	<0.0013
3/2/2016					<0.0013	<0.0013	0.011		
5/2/2016	<0.0013		<0.0013	<0.0013					<0.0013
5/3/2016					0.0015		0.0087	<0.0013	
5/4/2016		<0.0013				<0.0013			
7/5/2016	<0.0013		<0.0013	<0.0013	0.0017		0.011	<0.0013	<0.0013
7/6/2016						<0.0013			
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2016					0.0021 (J)	<0.0013	0.0092		
11/7/2016	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
11/8/2016						<0.0013			
11/9/2016					<0.0013		0.01		
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017		<0.0013							
1/12/2017					0.00041 (J)		0.0086		
1/13/2017						<0.0013			
3/13/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
3/14/2017		<0.0013							
3/16/2017						<0.0013			
3/17/2017					0.0011 (J)		0.0082		
5/15/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
5/16/2017					0.0011 (J)				
5/17/2017						<0.0013	0.0081		
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
3/13/2018					0.00047 (J)				
3/14/2018		<0.0013				<0.0013	0.004		
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018								<0.0013	<0.0013
6/8/2018					0.0013		0.0034		
6/9/2018						<0.0013			
6/10/2018		<0.0013							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018							0.0026	<0.0013	<0.0013
10/18/2018		<0.0013							
11/13/2018					0.0014				
11/14/2018						<0.0013			
2/27/2019	<0.0013	<0.0013	0.001 (J)	<0.0013				<0.0013	<0.0013
2/28/2019					0.0012 (J)		0.0019		
3/5/2019						0.00037 (J)			
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
6/4/2019					0.00079 (J)	0.00065 (J)	0.0011 (J)		
11/6/2019	0.0001 (J)	<0.0013	6.6E-05 (J)	8.4E-05 (J)				<0.0013	0.0002 (J)
11/12/2019					0.00069 (J)	0.00061 (J)	0.001 (J)		
4/16/2020	6.6E-05 (J)	<0.0013	<0.0013	<0.0013				<0.0013	0.00016 (J)
4/18/2020					0.00042		0.00057		
4/22/2020						0.0005			
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
10/12/2020					0.00034 (J)	0.0005 (J)	0.00085 (J)		

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
4/1/2021					0.00058	0.00057	0.00076		
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2021					<0.0013	0.00034 (J)	0.0004 (J)		
3/22/2022	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
3/25/2022					<0.0013	<0.0013	<0.0013		
9/7/2022	<0.0013	<0.0013	<0.0013						
9/8/2022				<0.0013				<0.0013	<0.0013
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	<0.0013	<0.0013	<0.0013	<0.0013					<0.0013
4/7/2023								<0.0013	
4/11/2023					<0.0013	<0.0013	<0.0013		

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.005	<0.005	<0.005	<0.005					
3/1/2016								<0.005	0.0037
3/2/2016					0.01 (J)	<0.005	<0.005		
5/2/2016	<0.005		<0.005	<0.005					<0.005
5/3/2016					<0.005		<0.005	<0.005	
5/4/2016		<0.005				0.0069			
7/5/2016	<0.005		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/6/2016						0.0086			
7/8/2016		<0.005							
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005				<0.005	<0.005
9/8/2016					<0.005	0.035	<0.005		
11/7/2016	<0.005		<0.005	<0.005				<0.005	0.0097 (o)
11/8/2016						<0.005			
11/9/2016					<0.005		<0.005		
11/10/2016		<0.005							
1/9/2017	<0.005		<0.005	<0.005				<0.005	<0.005
1/11/2017		<0.005							
1/12/2017					<0.005		<0.005		
1/13/2017						0.0078			
3/13/2017	<0.005		<0.005	<0.005				<0.005	<0.005
3/14/2017		<0.005							
3/16/2017						0.0062			
3/17/2017					<0.005		<0.005		
5/15/2017	<0.005		<0.005	<0.005				<0.005	<0.005
5/16/2017					<0.005				
5/17/2017						0.0042 (J)	<0.005		
5/18/2017		<0.005							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005				<0.005	<0.005
3/13/2018					<0.005				
3/14/2018		<0.005				0.0053	<0.005		
6/5/2018	<0.005		0.0012 (J)	<0.005					
6/6/2018								<0.005	0.0021 (J)
6/8/2018					<0.005		0.0012 (J)		
6/9/2018						0.0044 (J)			
6/10/2018		<0.005							
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)					
10/17/2018							0.0014 (J)	<0.005	0.0012 (J)
10/18/2018		0.0013 (J)							
11/13/2018					0.0024 (J)				
11/14/2018						0.005			
2/27/2019	<0.005	<0.005	<0.005	<0.005				<0.005	0.002 (J)
2/28/2019					0.0025 (J)		<0.005		
3/5/2019						0.0043 (J)			
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)				0.0015 (J)	0.0026 (J)
6/4/2019					0.0012 (J)	0.0044 (J)	<0.005		
11/6/2019	0.0011	0.001	0.0011	<0.005				0.00063 (J)	0.0012
11/12/2019					<0.005	0.0026 (J)	<0.005		
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005				<0.005	0.00091 (J)
4/18/2020					<0.005		<0.005		
4/22/2020						0.0024			
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)				0.005	0.0049 (J)
10/12/2020					<0.005	0.0026 (J)	<0.005		

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.005	0.0019	<0.005	<0.005				<0.005	0.0042
4/1/2021					<0.005	0.005	0.0029		
9/2/2021	<0.005	<0.005	<0.005	<0.005				<0.005	<0.005
9/8/2021					<0.005	0.0033 (J)	<0.005		
3/22/2022	0.0013	0.0014	<0.005	<0.005				0.0012	<0.005
3/25/2022					<0.005	<0.005	<0.005		
9/7/2022	<0.005	<0.005	<0.005						
9/8/2022				<0.005				<0.005	<0.005
9/13/2022					<0.005	<0.005	<0.005		
4/6/2023	<0.005	<0.005	<0.005	<0.005					<0.005
4/7/2023								<0.005	
4/11/2023					<0.005	<0.005	<0.005		

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016								<0.0002	<0.0002
3/2/2016					0.0027	0.0026	0.00024		
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002					<0.0002
5/3/2016					0.003		0.00036	<0.0002	
5/4/2016		<0.0002				0.0022			
7/5/2016	<0.0002		<0.0002	<0.0002	0.0023		0.0007	<0.0002	<0.0002
7/6/2016						0.0026			
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002				<0.0002 (*)	<0.0002 (*)
9/8/2016					0.0034	0.0027	0.00081		
11/7/2016	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
11/8/2016						0.0016			
11/9/2016					0.0012		0.00099		
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)				<0.0002 (*)	<0.0002 (*)
1/11/2017		<0.0002							
1/12/2017					0.0012		0.00064		
1/13/2017						0.0026			
3/13/2017	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
3/14/2017		<0.0002 (*)							
3/16/2017						0.0015			
3/17/2017					0.0022		0.00033		
5/15/2017	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
5/16/2017					0.0019				
5/17/2017						0.00016 (J)	0.00034		
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
3/13/2018					0.0014				
3/14/2018		9.3E-05 (J)				0.00051	0.0002		
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018								<0.0002	<0.0002
6/8/2018					0.0018		0.00016 (J)		
6/9/2018						0.00032			
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018							0.00014 (J)	<0.0002	<0.0002
10/18/2018		<0.0002							
11/13/2018					0.0021				
11/14/2018						8.2E-05 (J)			
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
2/28/2019					0.0016		0.00012 (J)		
3/5/2019						0.0026			
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
6/4/2019					0.00061	0.0012	<0.0002		
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
11/12/2019					0.00056	0.00048	<0.0002		
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
4/18/2020					0.00013 (J)		<0.0002		
4/22/2020						0.0004			
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)				8E-05 (J)	<0.0002
10/12/2020					0.00017 (J)	0.00026	<0.0002		

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
4/1/2021					0.00025	0.00029	<0.0002		
9/2/2021	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
9/8/2021					<0.0002	<0.0002	<0.0002		
3/22/2022	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
3/25/2022					<0.0002	<0.0002	<0.0002		
9/7/2022	<0.0002	<0.0002	<0.0002						
9/8/2022				<0.0002				<0.0002	<0.0002
9/13/2022					0.00038	0.00027	<0.0002		
4/6/2023	<0.0002	<0.0002	<0.0002	<0.0002					<0.0002
4/7/2023								<0.0002	
4/11/2023					0.00079	0.00028	<0.0002		

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.015	<0.015	<0.015	<0.015					
3/1/2016								<0.015	<0.015
3/2/2016					<0.015	<0.015	<0.015		
5/2/2016	<0.015		<0.015	<0.015					<0.015
5/3/2016					<0.015		<0.015	<0.015	
5/4/2016		<0.015				<0.015			
7/5/2016	<0.015		<0.015	<0.015	<0.015		<0.015	<0.015	<0.015
7/6/2016						<0.015			
7/8/2016		<0.015							
9/6/2016	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
9/8/2016					<0.015	<0.015	<0.015		
11/7/2016	<0.015		<0.015	<0.015				<0.015	<0.015
11/8/2016						<0.015			
11/9/2016					<0.015		<0.015		
11/10/2016		<0.015							
1/9/2017	<0.015		<0.015	<0.015				<0.015	<0.015
1/11/2017		<0.015							
1/12/2017					<0.015		<0.015		
1/13/2017						<0.015			
3/13/2017	0.0042 (J)		<0.015	0.0022 (J)				<0.015	<0.015
3/14/2017		<0.015							
3/16/2017						0.0015 (J)			
3/17/2017					0.0078 (J)		<0.015		
5/15/2017	<0.015		<0.015	<0.015				<0.015	<0.015
5/16/2017					<0.015				
5/17/2017						<0.015	<0.015		
5/18/2017		<0.015							
3/12/2018	<0.015		<0.015	<0.015				<0.015	<0.015
3/13/2018					<0.015				
3/14/2018		<0.015				<0.015	0.00092 (J)		
6/5/2018	<0.015		0.00088 (J)	<0.015					
6/6/2018								<0.015	<0.015
6/8/2018					<0.015		<0.015		
6/9/2018						<0.015			
6/10/2018		<0.015							
10/16/2018	<0.015		<0.015	<0.015					
10/17/2018							<0.015	<0.015	<0.015
10/18/2018		<0.015							
11/13/2018					<0.015				
11/14/2018						<0.015			
2/27/2019	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
2/28/2019					<0.015		<0.015		
3/5/2019						<0.015			
5/31/2019	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
11/6/2019	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
4/16/2020	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
4/18/2020					<0.015		<0.015		
4/22/2020						<0.015			
10/7/2020	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
10/12/2020					<0.015	<0.015	<0.015		
3/29/2021	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
4/1/2021					<0.015	<0.015	<0.015		

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
9/2/2021	<0.015	<0.015	<0.015	<0.015				<0.015	<0.015
9/8/2021					<0.015	<0.015	<0.015		
3/22/2022	0.00066 (J)	0.00064 (J)	<0.015	<0.015				0.0011 (J)	0.00031 (J)
3/25/2022					<0.015	<0.015	<0.015		
9/7/2022	<0.015	<0.015	<0.015						
9/8/2022				<0.015				<0.015	<0.015
9/13/2022					<0.015	<0.015	<0.015		
4/6/2023	<0.015	<0.015	<0.015	<0.015					<0.015
4/7/2023								<0.015	
4/11/2023					<0.015	<0.015	<0.015		

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016								<0.0013	<0.0013
3/2/2016					0.018	0.013	0.026		
5/2/2016	<0.0013		<0.0013	0.00025 (J)					<0.0013
5/3/2016					0.016		0.019	<0.0013	
5/4/2016		<0.0013				0.014			
7/5/2016	<0.0013		<0.0013	<0.0013	0.018		0.018	<0.0013	<0.0013
7/6/2016						0.015			
7/8/2016		<0.0013							
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)				<0.0013	<0.0013
9/8/2016					0.016	0.018	0.018		
11/7/2016	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
11/8/2016						0.015			
11/9/2016					0.013		0.02		
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017		0.00049 (J)							
1/12/2017					0.004		0.017		
1/13/2017						0.014			
3/13/2017	0.0023		<0.0013	0.0025				<0.0013	<0.0013
3/14/2017		<0.0013							
3/16/2017						0.012			
3/17/2017					0.015		0.016		
5/15/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
5/16/2017					0.01				
5/17/2017						0.0094	0.013		
5/18/2017		<0.0013							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)				0.00026 (J)	<0.0013
3/13/2018					0.0064				
3/14/2018		0.00067 (J)				0.0049	0.019		
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018								0.00025 (J)	0.00026 (J)
6/8/2018					0.0076		0.018		
6/9/2018						0.0047			
6/10/2018		0.00028 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018							0.013	<0.0013	<0.0013
10/18/2018		<0.0013							
11/13/2018					0.0062				
11/14/2018						0.0031			
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
2/28/2019					0.0044		0.011		
3/5/2019						0.0012 (J)			
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
6/4/2019					0.0044	0.002	0.015		
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034				<0.0013	<0.0013
11/12/2019					0.0042	0.0026	0.012		
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004				<0.0013	<0.0013
4/18/2020					0.0028		0.0085		
4/22/2020						0.0037			
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
10/12/2020					0.0025	0.003	0.0071		

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
4/1/2021					0.0042	0.0036	0.008		
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2021					0.0033	0.0046	0.0059		
3/22/2022	<0.0013	<0.0013	<0.0013	0.00051				<0.0013	<0.0013
3/25/2022					<0.0013	0.005	0.0069		
9/7/2022	<0.0013	<0.0013	<0.0013						
9/8/2022				<0.0013				<0.0013	0.0034
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	0.00084 (J)	<0.0013	<0.0013	0.001 (J)					0.00087 (J)
4/7/2023								0.0015	
4/11/2023					0.0052	0.0034	0.0051		

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016								<5	<5
3/2/2016					400	450	460		
5/2/2016	15 (o)		<5	2.1 (J)					<5
5/3/2016					2.2 (J)		740	<5	
5/4/2016		<5				500			
7/5/2016	<5		<5	2 (J)	450 (J)		750	<5	<5
7/6/2016						370			
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)				<5	3.7 (J)
9/8/2016					450	450	710		
11/7/2016	<5		<5	1.7 (J)				<5	<5
11/8/2016						450			
11/9/2016					430		810		
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)				<5	<5
1/11/2017		<5							
1/12/2017					130		600		
1/13/2017						390			
3/13/2017	2.5 (J)		<5	2.2 (J)				<5	<5
3/14/2017		<5							
3/16/2017						290			
3/17/2017					290		640		
5/15/2017	<5		<5	1.9 (J)				<5	<5
5/16/2017					280				
5/17/2017						270	590		
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)				1.5 (J)	1.7 (J)
10/3/2017							480		
10/4/2017					250	240			
10/5/2017		<5							
12/20/2017					230 (R)	210 (R)	470		
3/12/2018	<5		<5	2.6 (J)				<5	<5
3/13/2018					160				
3/14/2018		<5				190	470		
6/5/2018	<5		<5	2.6 (J)					
6/6/2018								<5	<5
6/8/2018					160		440		
6/9/2018						170			
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018							270	<5	<5
10/18/2018		<5							
11/13/2018					130				
11/14/2018						110			
2/27/2019	<5	1.9 (J)	<5	2.4 (J)				<5	<5
2/28/2019					130		240		
3/5/2019						86			
5/31/2019	<5	<5	<5	3.3 (J)				<5	<5
6/4/2019					100	100	280		
11/6/2019	<5	<5	<5	3.7 (J)				<5	<5
11/12/2019					100	93	260		

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	<5	<5	<5	1.7 (J)				<5	<5
4/18/2020					64		250		
4/22/2020						130			
10/7/2020	<5	<5	<5	4 (J)				<5	<5
10/12/2020					64	110	230		
3/29/2021	<5	<5	<5	2.3				<5	<5
4/1/2021					84	110	200		
9/2/2021	<5	<5	<5	4.7 (J)				<5	<5
9/8/2021					60	110	140		
3/22/2022	<5	<5	<5	4.5 (J)				<5	<5
3/25/2022					71	120	160		
9/7/2022	1.7 (J)	1.5 (J)	1.4 (J)						
9/8/2022				5.5				<5	<5
9/13/2022					130	95	160		
4/6/2023	<5	<5	<5	4.8 (J)					<5
4/7/2023								<5	
4/11/2023					130	140	12 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016								<0.0005	<0.0005
3/2/2016					0.00058 (J)	0.0003 (J)	0.00095 (J)		
5/2/2016	<0.0005		<0.0005	<0.0005					<0.0005
5/3/2016					0.00041 (J)		0.00089	<0.0005	
5/4/2016		<0.0005				0.0005			
7/5/2016	<0.0005		<0.0005	<0.0005	0.0004 (J)		0.001	<0.0005	<0.0005
7/6/2016						0.00047 (J)			
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2016					0.00045 (J)	0.00053 (J)	0.00088 (J)		
11/7/2016	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
11/8/2016						0.00055 (J)			
11/9/2016					<0.0005		0.00083 (J)		
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
1/11/2017		<0.0005							
1/12/2017					0.00012 (J)		0.00076		
1/13/2017						0.00057			
3/13/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/14/2017		<0.0005							
3/16/2017						0.0004 (J)			
3/17/2017					0.00027 (J)		0.00088		
5/15/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
5/16/2017					0.00025 (J)				
5/17/2017						0.00029 (J)	0.00071		
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/13/2018					0.00018 (J)				
3/14/2018		<0.0005				0.00027 (J)	0.00055		
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018								<0.0005	<0.0005
6/8/2018					0.00018 (J)		0.00048 (J)		
6/9/2018						0.00023 (J)			
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018							0.0003 (J)	<0.0005	<0.0005
10/18/2018		<0.0005							
11/13/2018					<0.0005				
11/14/2018						0.00015 (J)			
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
2/28/2019					0.0001 (J)		0.00024 (J)		
3/5/2019						0.00016 (J)			
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
6/4/2019					<0.0005	0.00011 (J)	0.00017 (J)		
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
11/12/2019					<0.0005	0.00012 (J)	0.00019 (J)		
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/18/2020					5.8E-05 (J)		0.00023		
4/22/2020						0.00015			
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
10/12/2020					0.00014 (J)	0.00025 (J)	0.00033 (J)		

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005 (D)				<0.0005	<0.0005
4/1/2021					<0.0005	0.00012	0.0002		
9/2/2021	0.00015 (J)	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2021					<0.0005	<0.0005	<0.0005		
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
3/25/2022					<0.0005	<0.0005	<0.0005		
9/7/2022	<0.0005	<0.0005	<0.0005						
9/8/2022				<0.0005				<0.0005	<0.0005
9/13/2022					<0.0005	<0.0005	<0.0005		
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005					<0.0005
4/7/2023								<0.0005	
4/11/2023					<0.0005	<0.0005	<0.0005		

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	20	20	<5	12					
3/1/2016								10	<5
3/2/2016					7200	7200	32000 (o)		
5/2/2016	<5		<5	6					36
5/3/2016					6400		13000	<5	
5/4/2016		6				4500			
7/5/2016	12		14	<5	7000		8700	<5	<5
7/6/2016						4900			
7/8/2016		6							
9/6/2016	36	36	30	38				36	44
9/8/2016					6000	4400	11000 (Q)		
11/7/2016	18		8	<5				<5	30
11/8/2016						6200			
11/9/2016					3500		13000		
11/10/2016		16							
1/9/2017	4 (J)		<5	14				<5	12
1/11/2017		38							
1/12/2017					1500		12000		
1/13/2017						4400			
3/13/2017	6		<5	8				22	20
3/14/2017		<5							
3/16/2017						2800			
3/17/2017					2900		10000		
5/15/2017	<5		<5	<5				6	4 (J)
5/16/2017					3100				
5/17/2017						1100	8300		
5/18/2017		10							
10/2/2017	<5		<5	6				16	24
10/3/2017							7100		
10/4/2017					3400	700			
10/5/2017		<5							
12/20/2017					1900 (R)	590 (R)	7000		
3/12/2018	18		14	<5				<5	<5
3/13/2018					1600				
3/14/2018		8				490	6300		
6/5/2018	10		<5	14					
6/6/2018								20	16
6/8/2018					2000		5200		
6/9/2018						430			
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018							3800	44	44
10/18/2018		28							
11/13/2018					1400				
11/14/2018						230			
2/27/2019	110	68	54	110				20	28
2/28/2019					1400		1700		
3/5/2019						300			
5/31/2019	46	<5	8	26				32	18
6/4/2019					1200	400	2300		
11/6/2019	<5	10	4 (J)	<5				24	20
11/12/2019					1000	670	1900		

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 1:47 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

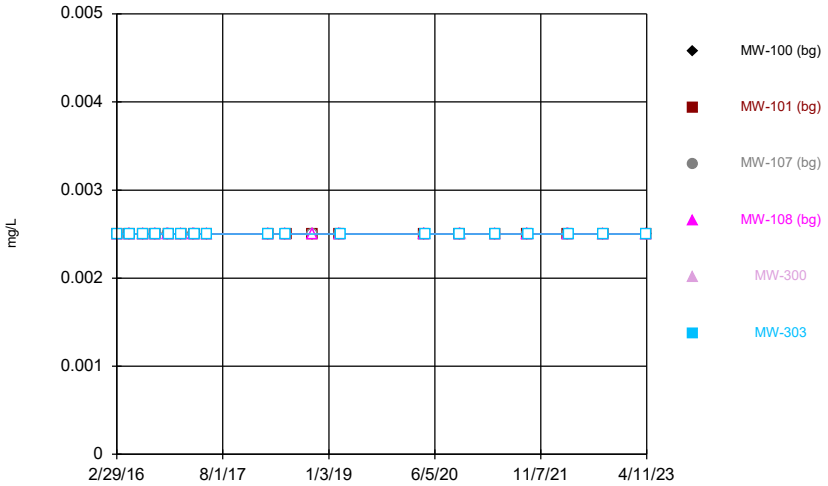
	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	28	44	18	8				6	8
4/18/2020					240		1700		
4/22/2020						600			
10/7/2020	30	24	20	26				16	12
10/12/2020					600	460	2200		
3/29/2021	38	26	12	28				42	40
4/1/2021					640	650	2300		
9/2/2021	40	8	10	8				10	<5
9/8/2021					480	550	1700		
3/22/2022	58	14	18	46				84	22
3/25/2022					380	610	630		
9/7/2022	36	14	22						
9/8/2022				44				24	48
9/13/2022					600	530	920		
4/6/2023	34	24	22	14					16
4/7/2023								24	
4/11/2023					490	490	890		

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

300 Series

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

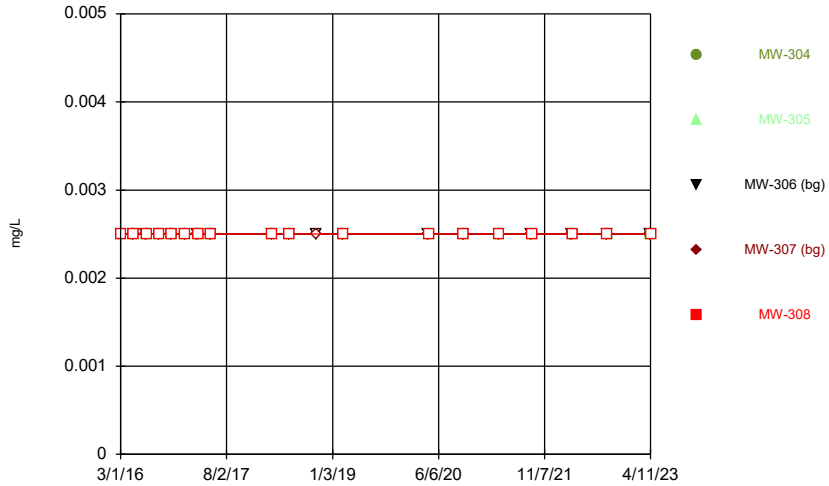
Time Series



Constituent: Antimony Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

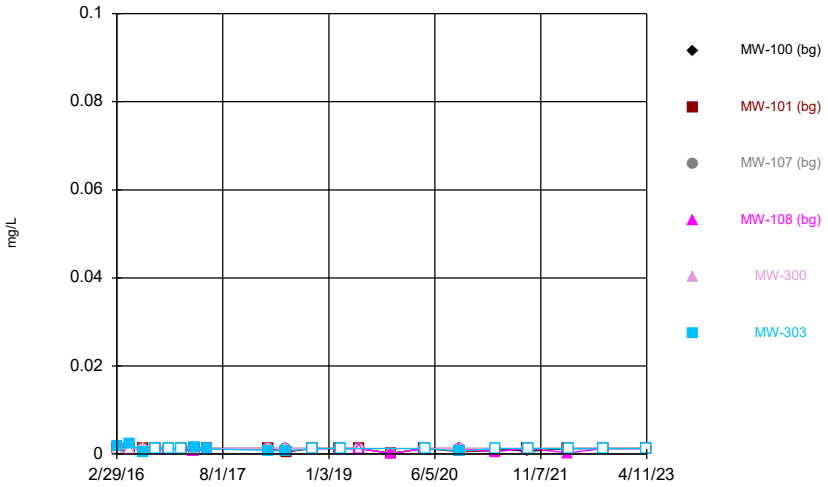
Time Series



Constituent: Antimony Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

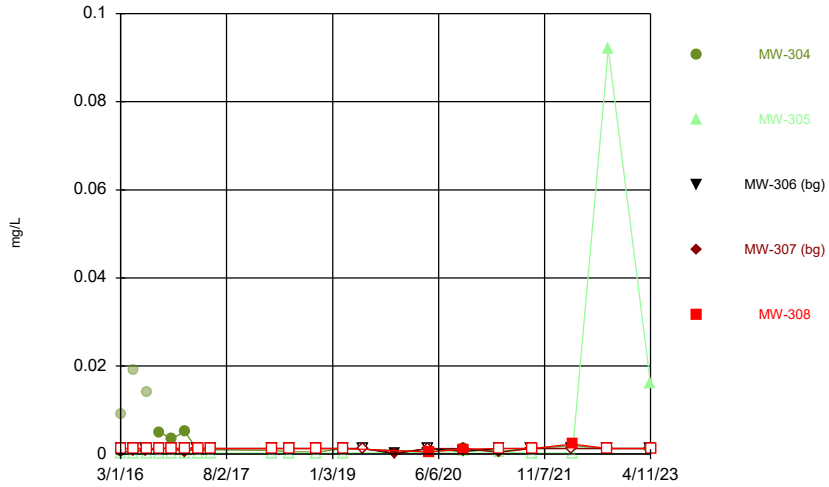
Time Series



Constituent: Arsenic Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

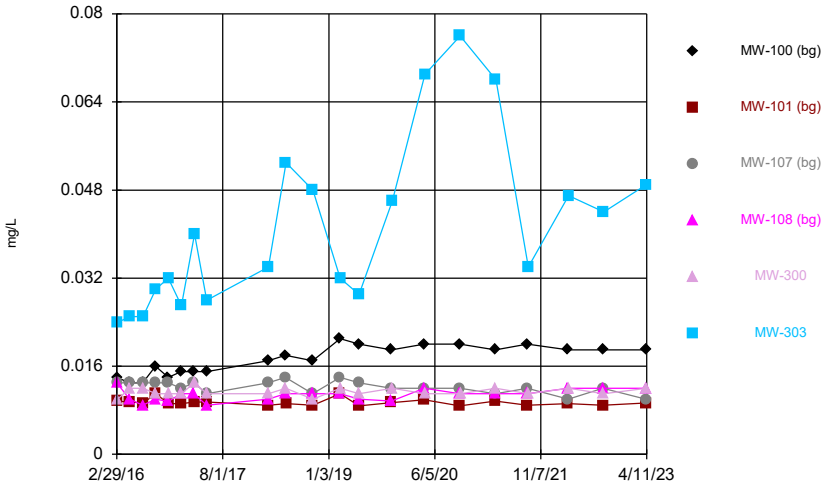
Time Series



Constituent: Arsenic Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

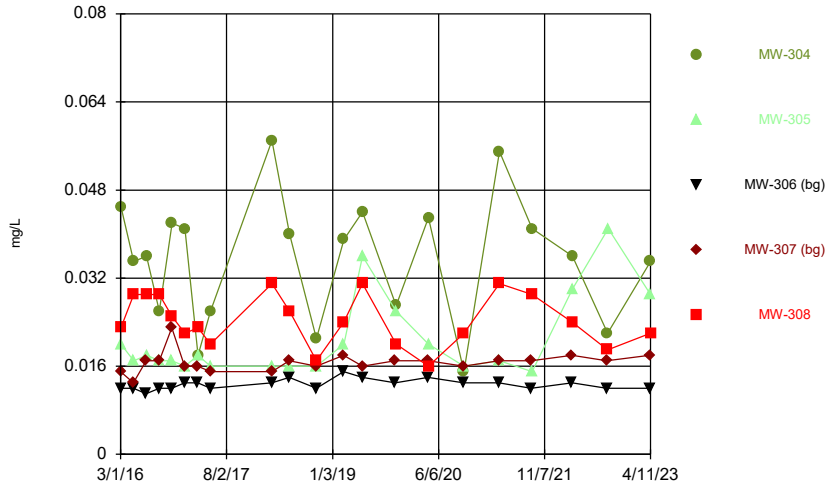
Time Series



Constituent: Barium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

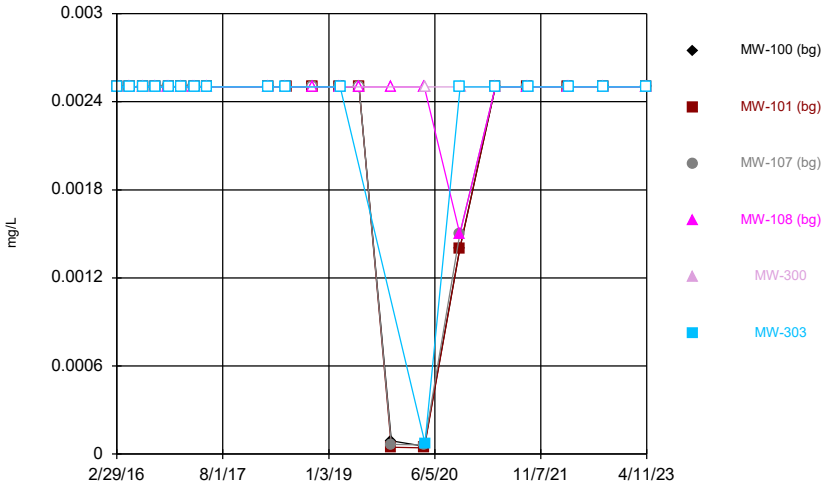
Time Series



Constituent: Barium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

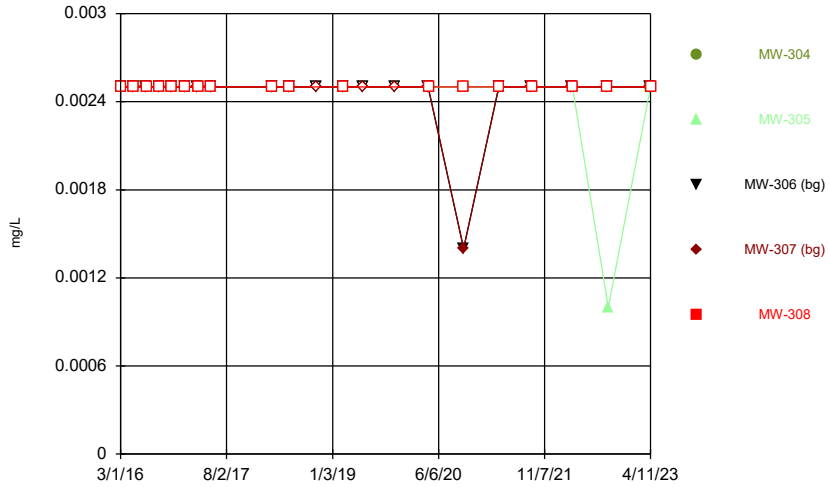
Time Series



Constituent: Beryllium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

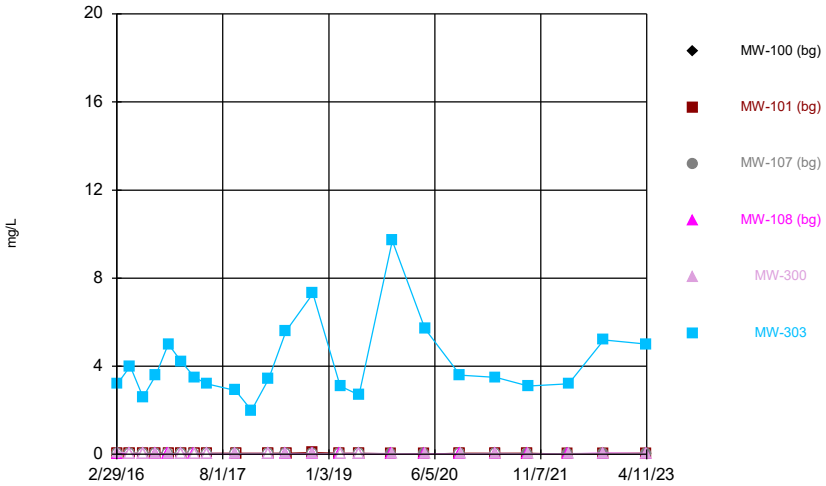
Time Series



Constituent: Beryllium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

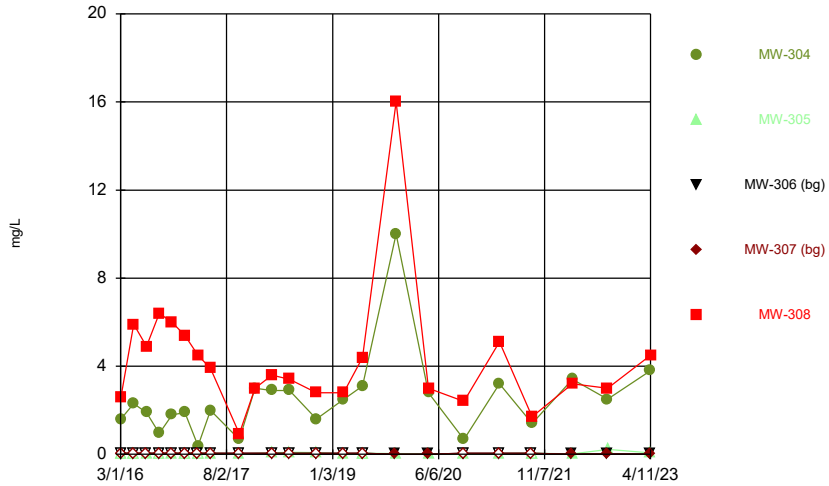
Time Series



Constituent: Boron Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

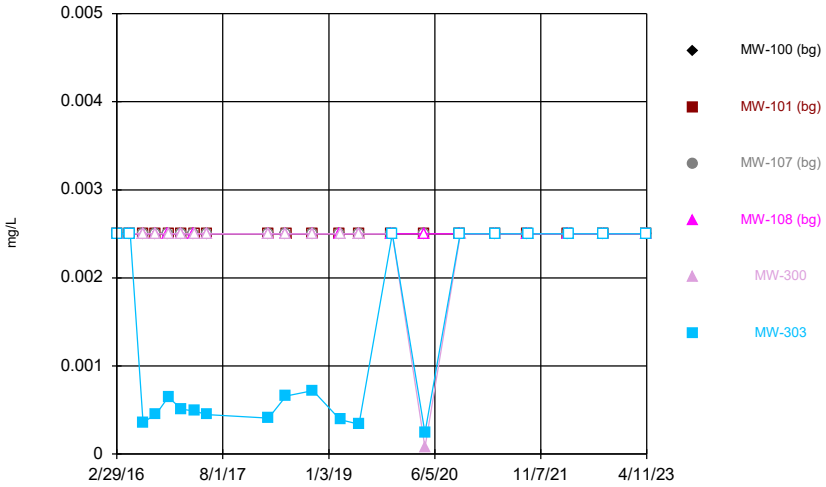
Time Series



Constituent: Boron Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

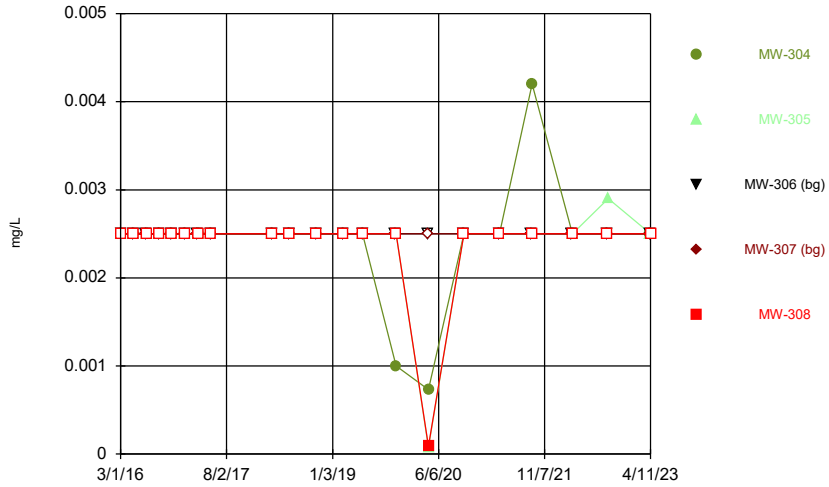
Time Series



Constituent: Cadmium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

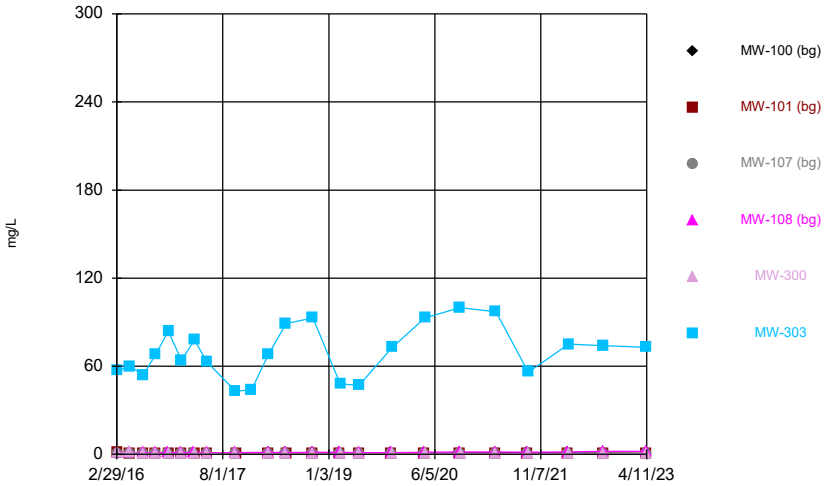
Time Series



Constituent: Cadmium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

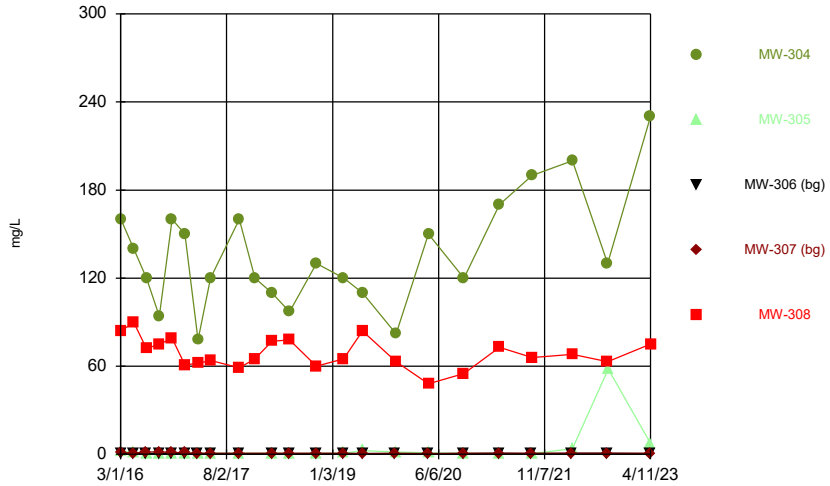
Time Series



Constituent: Calcium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

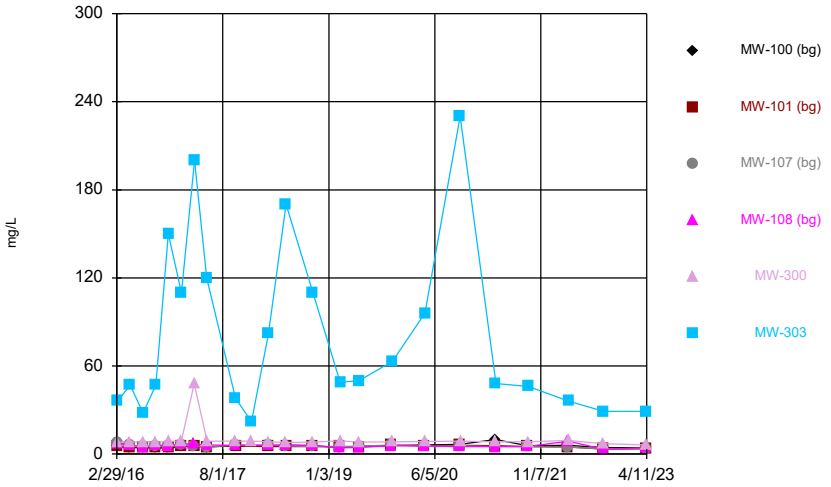
Time Series



Constituent: Calcium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

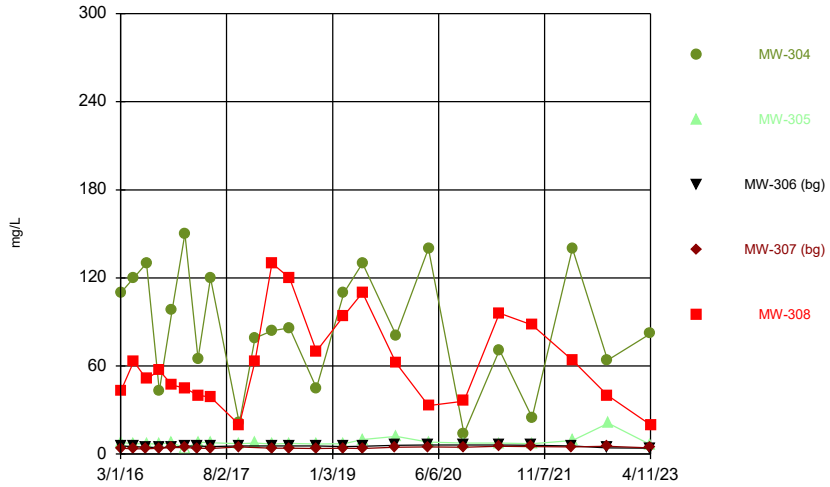
Time Series



Constituent: Chloride Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

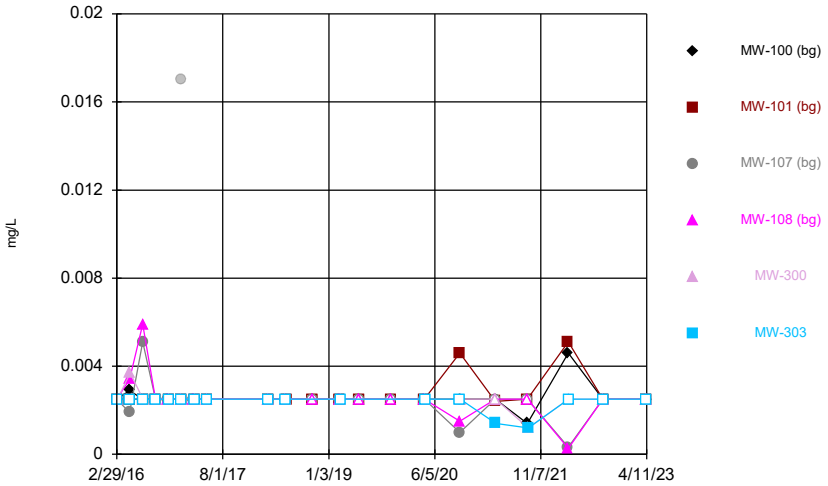
Time Series



Constituent: Chloride Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

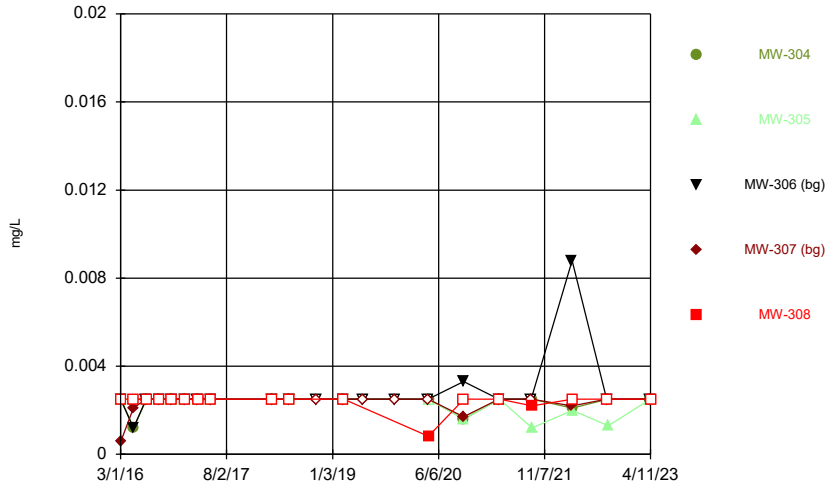
Time Series



Constituent: Chromium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

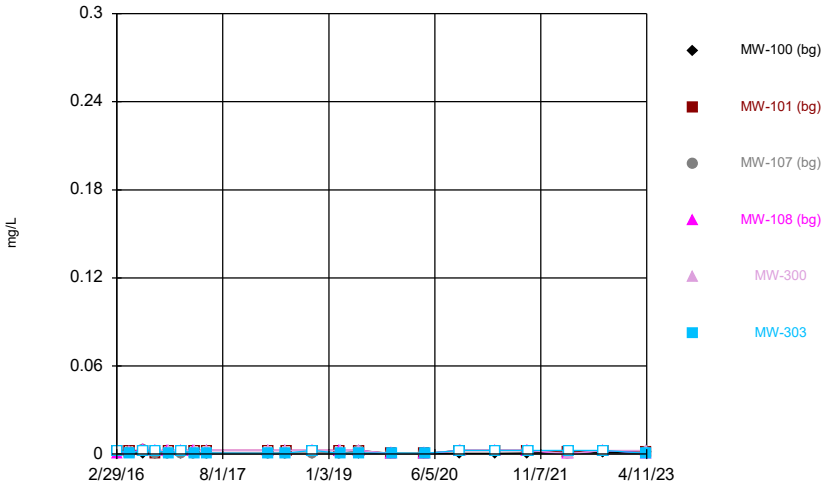
Time Series



Constituent: Chromium Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

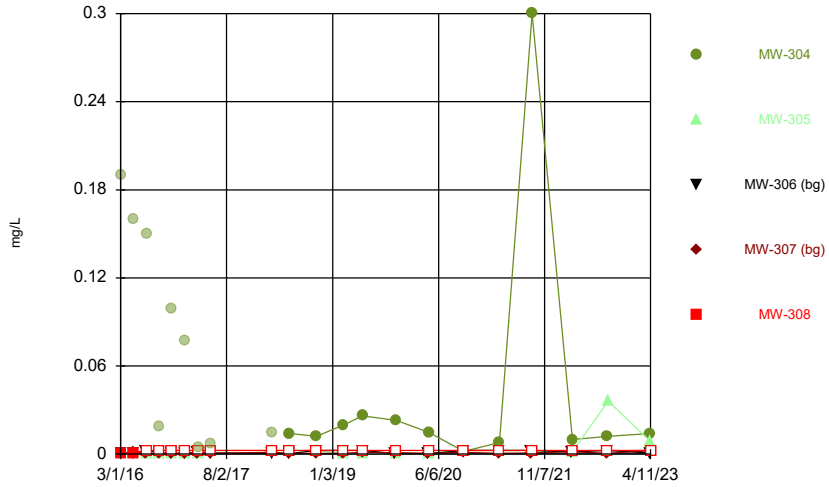
Time Series



Constituent: Cobalt Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

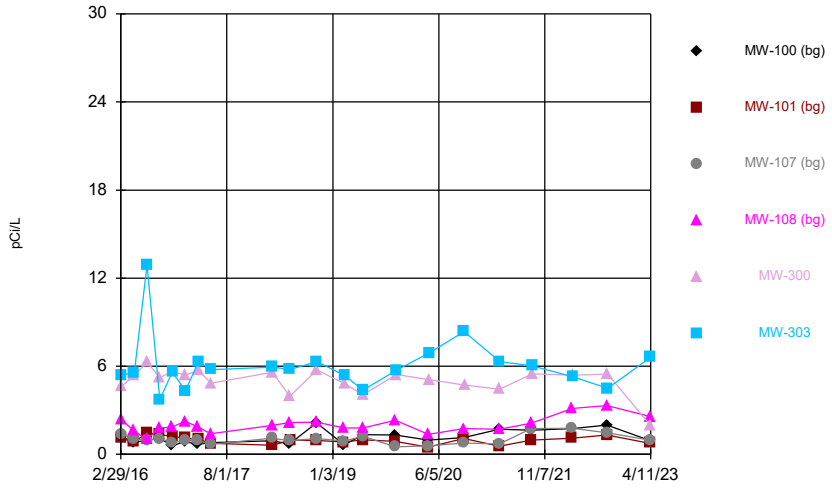
Time Series



Constituent: Cobalt Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

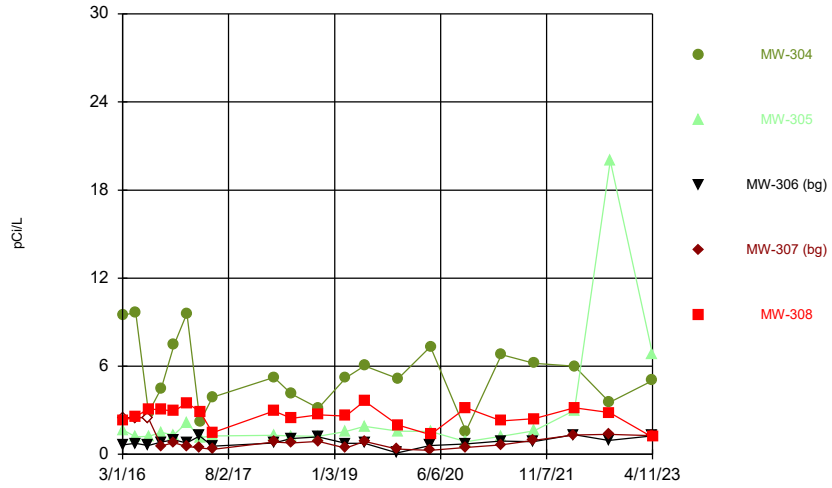
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

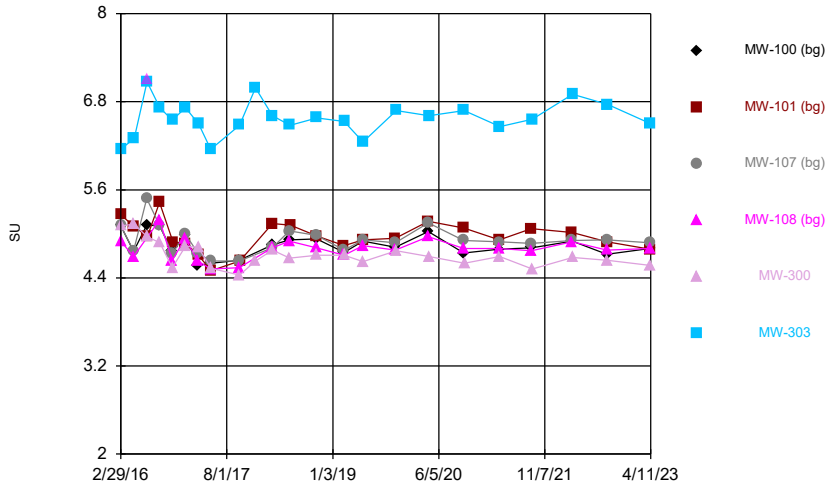
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

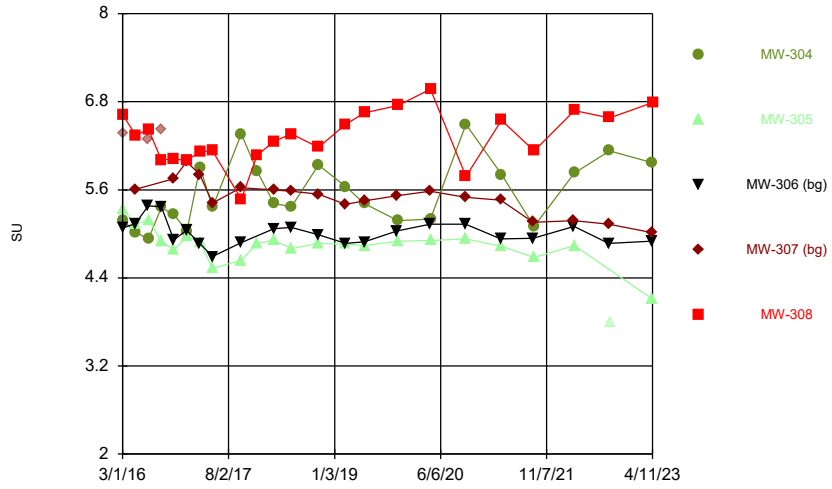
Time Series



Constituent: Field pH Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

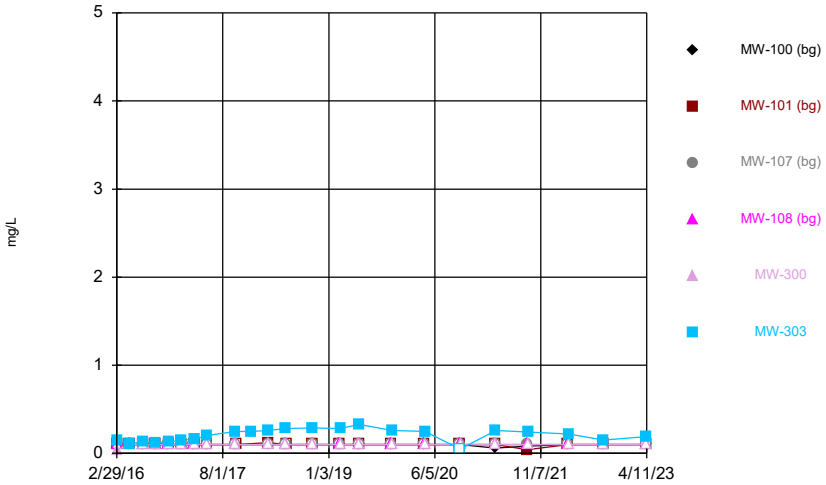
Time Series



Constituent: Field pH Analysis Run 8/24/2023 11:38 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

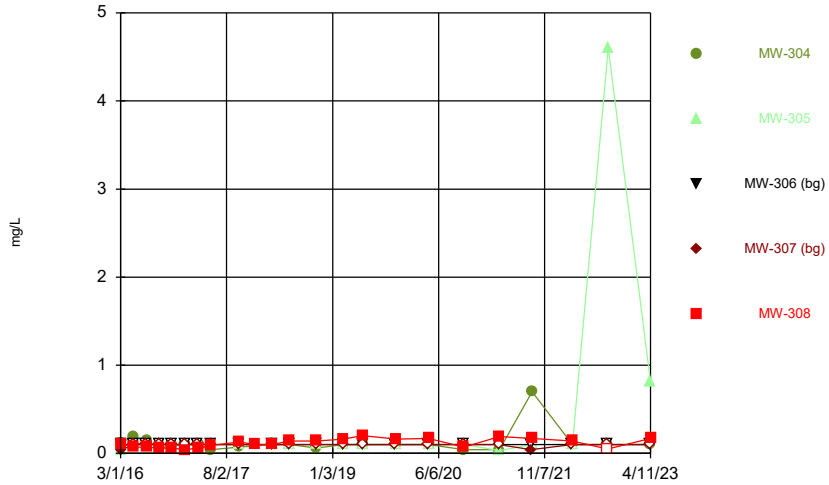
Time Series



Constituent: Fluoride Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

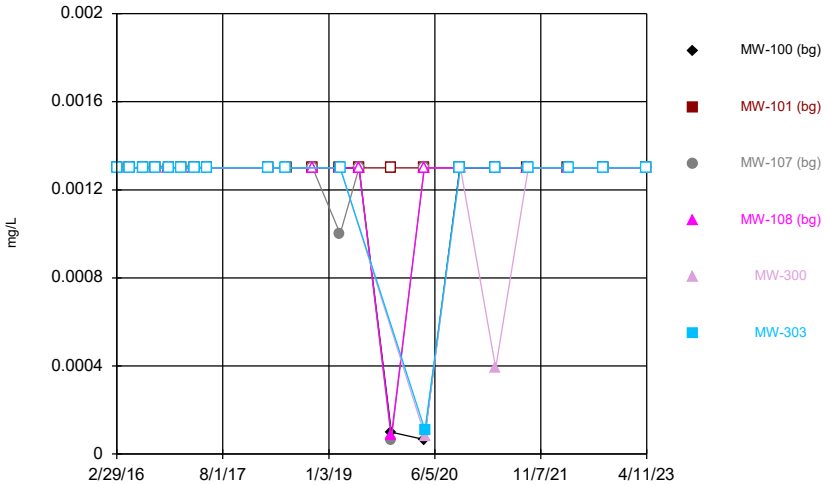
Time Series



Constituent: Fluoride Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

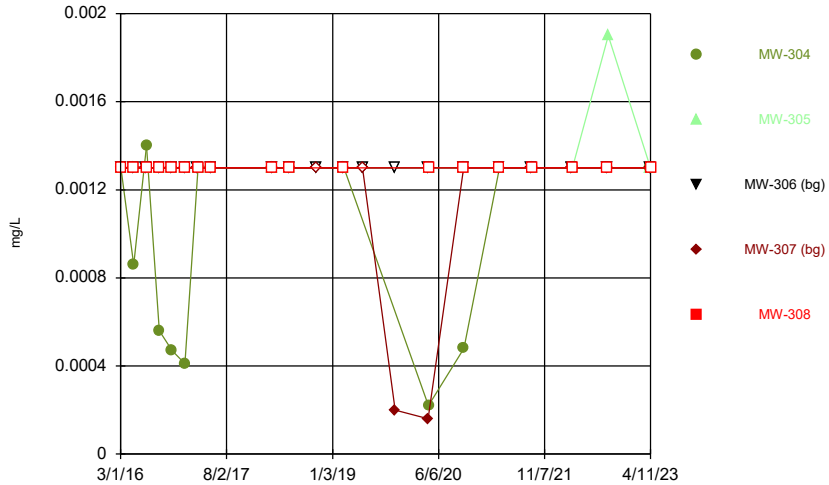
Time Series



Constituent: Lead Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

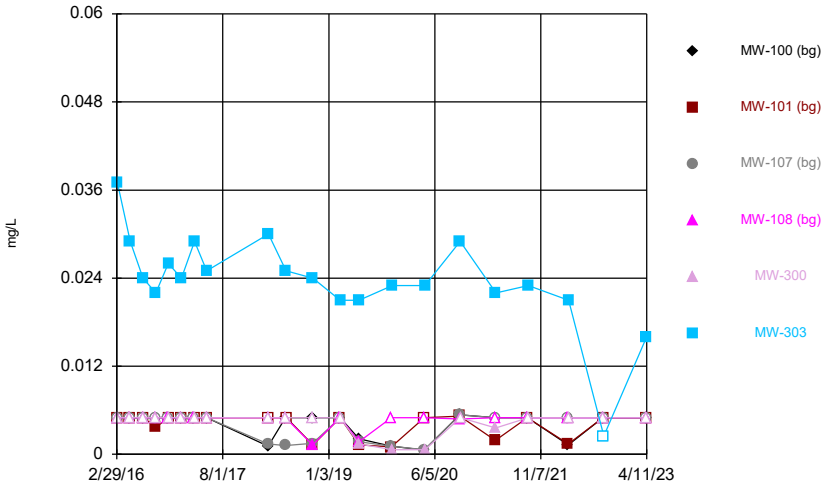
Time Series



Constituent: Lead Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

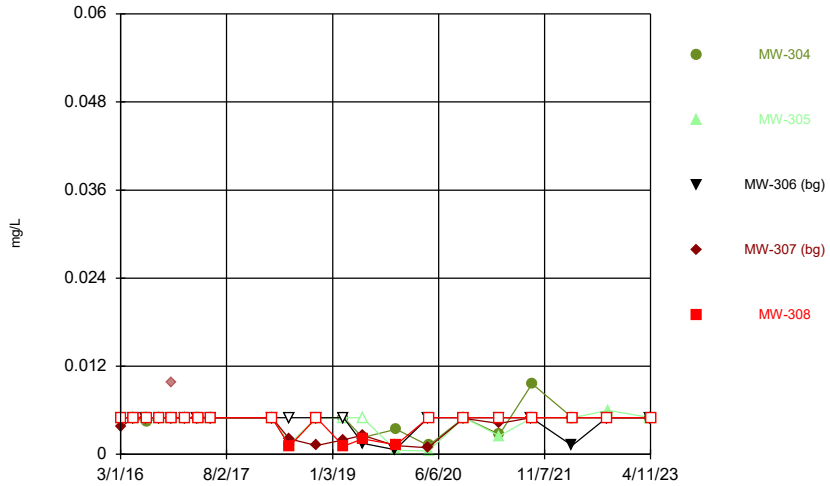
Time Series



Constituent: Lithium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

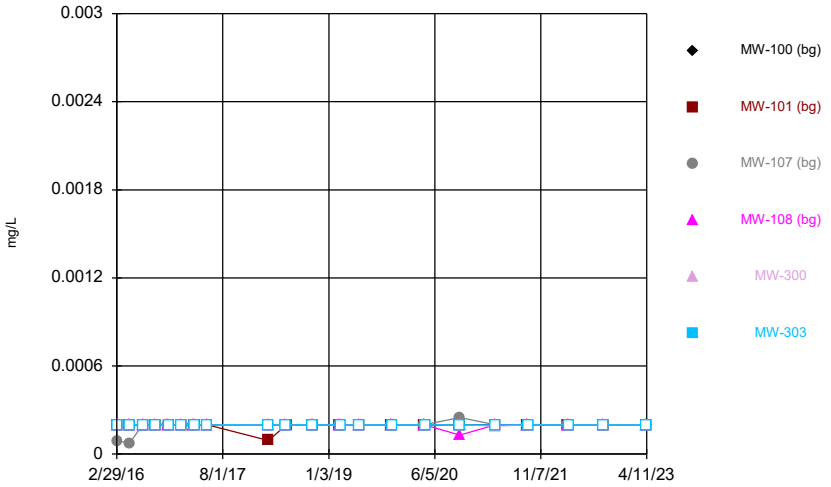
Time Series



Constituent: Lithium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

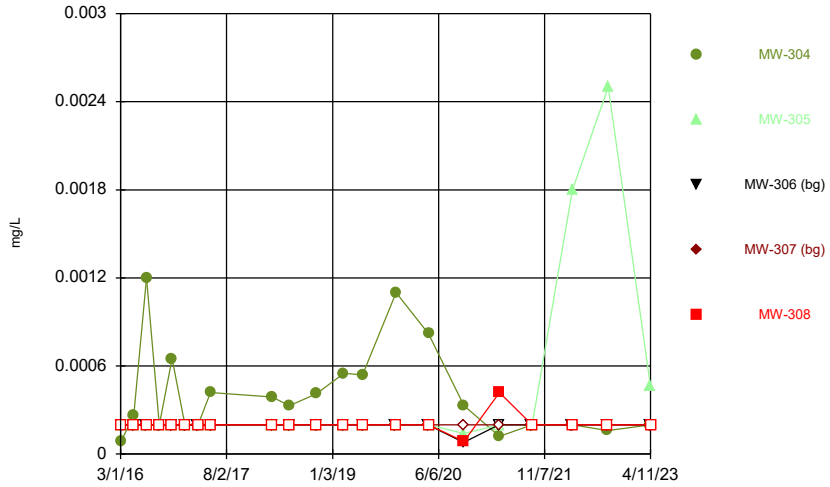
Time Series



Constituent: Mercury Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

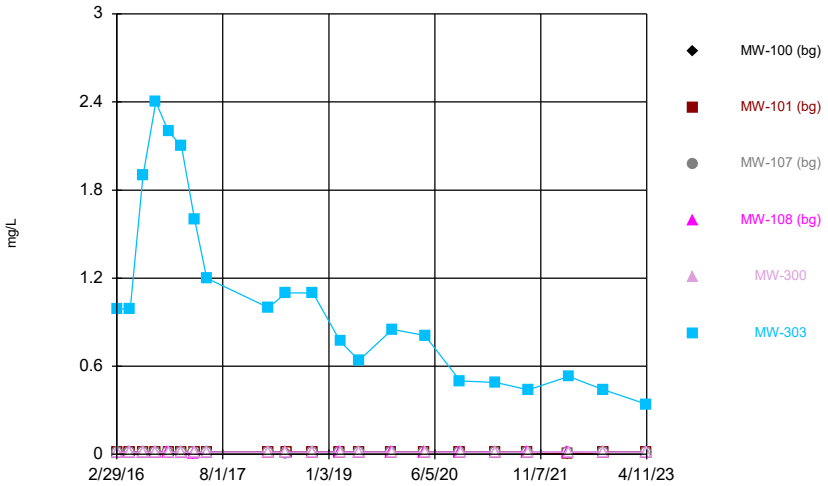
Time Series



Constituent: Mercury Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

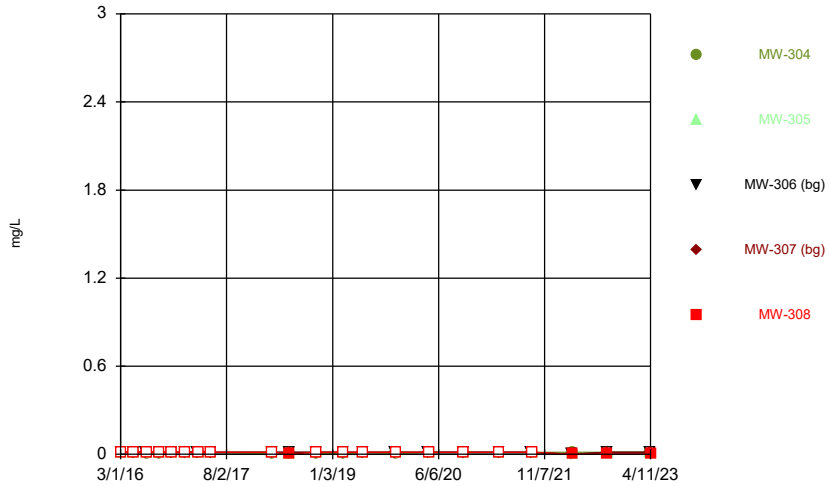
Time Series



Constituent: Molybdenum Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

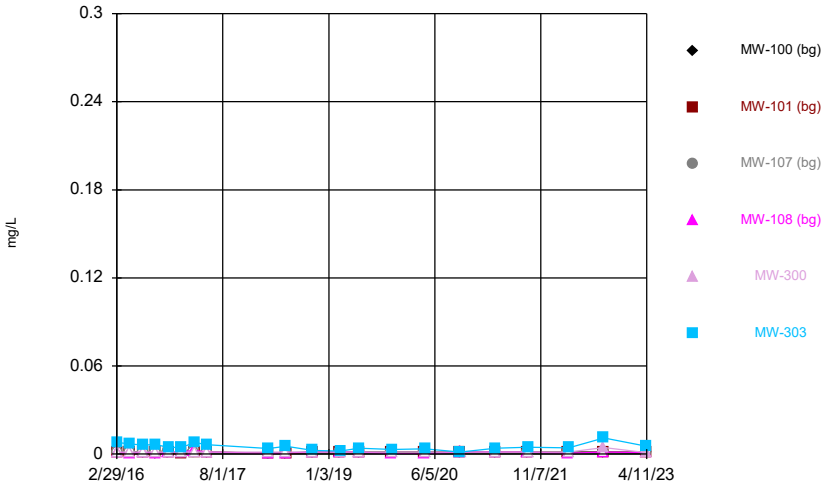
Time Series



Constituent: Molybdenum Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

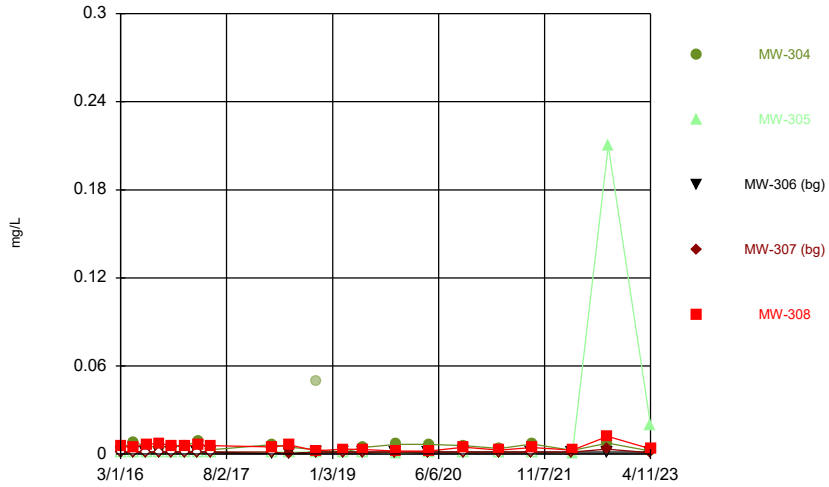
Time Series



Constituent: Selenium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

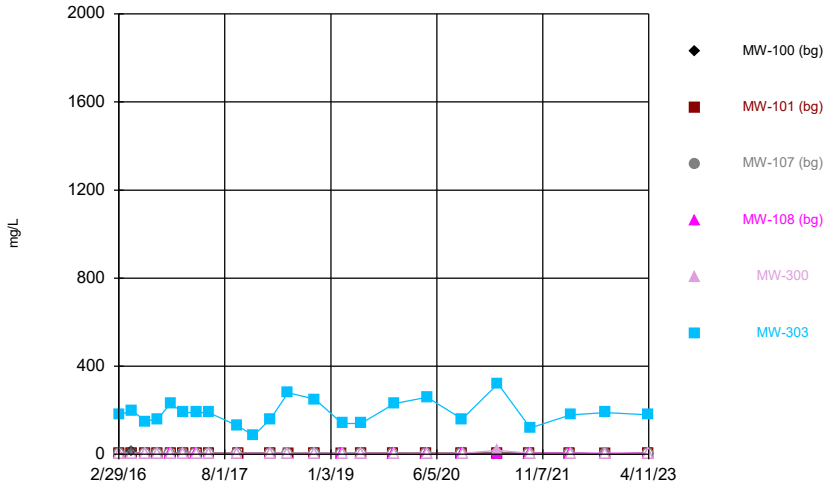
Time Series



Constituent: Selenium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

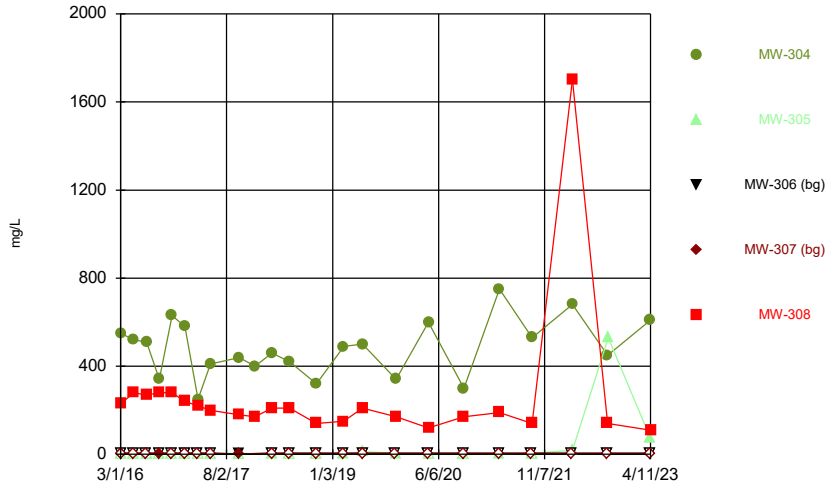
Time Series



Constituent: Sulfate Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

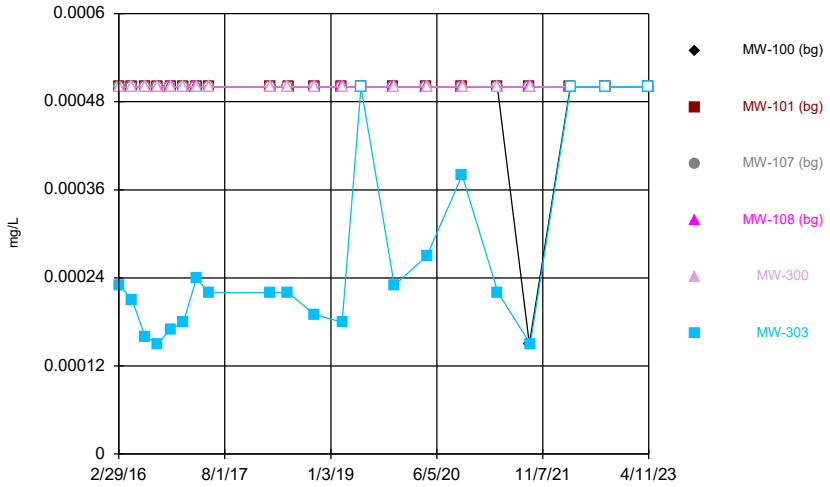
Time Series



Constituent: Sulfate Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

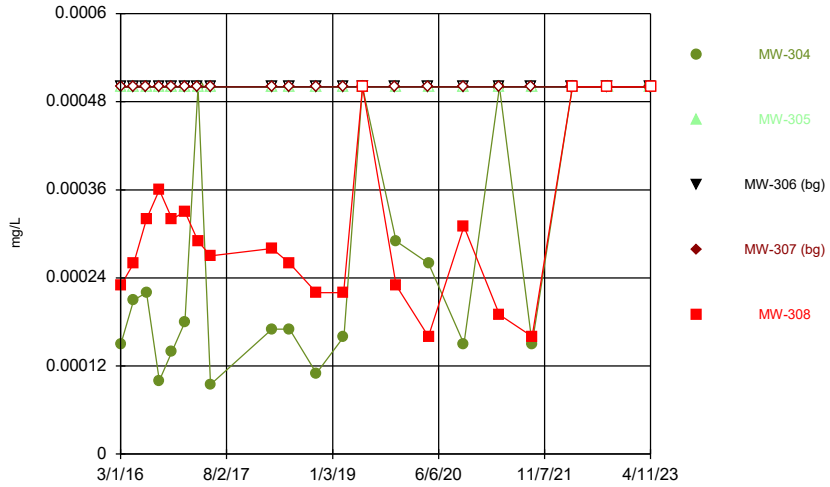
Time Series



Constituent: Thallium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

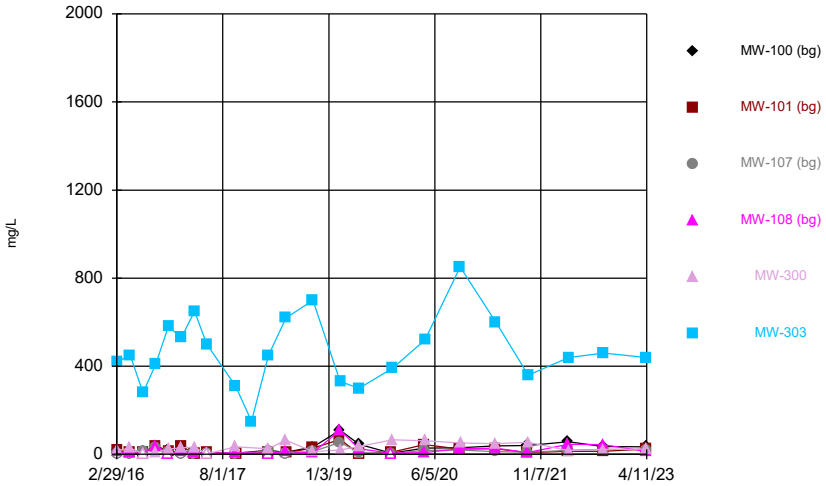
Time Series



Constituent: Thallium Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

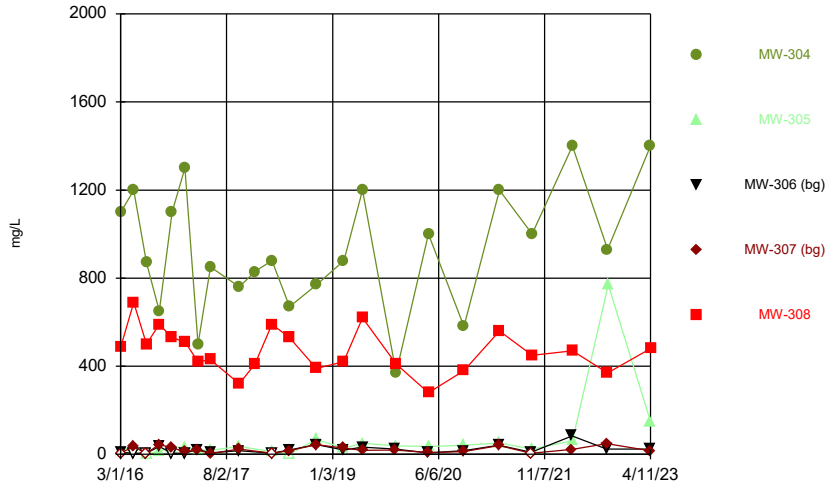
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 11:39 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		
5/4/2016		<0.0025			<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	<0.0025		<0.0025	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0025		<0.0025	<0.0025		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0025				
6/5/2018	<0.0025		<0.0025	<0.0025		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0025				
10/16/2018	<0.0025		<0.0025	<0.0025		
10/18/2018		<0.0025				
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025		
2/28/2019					<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025		
4/18/2020					<0.0025	<0.0025
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025		
4/10/2023					<0.0025	

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/11/2023						<0.0025

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	<0.0025	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0025	
5/3/2016			<0.0025		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0025	<0.0025	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0025	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0025	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0025	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0025	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0025	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0025	<0.0025	
2/27/2019			<0.0025	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025			
4/16/2020			<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025			<0.0025
10/7/2020			<0.0025	<0.0025	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0025	<0.0025	
9/7/2021	<0.0025	<0.0025			<0.0025
3/22/2022			<0.0025	<0.0025	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0025	<0.0025	
9/12/2022	<0.0025				<0.0025
9/16/2022		<0.0025			
4/6/2023				<0.0025	
4/7/2023			<0.0025		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013		
3/3/2016					<0.0013	0.0018 (J)
5/2/2016	<0.0013		<0.0013	<0.0013		
5/4/2016		<0.0013			<0.0013	0.0024
7/5/2016	<0.0013		<0.0013	<0.0013		
7/6/2016						0.0005 (J)
7/7/2016					<0.0013	
7/8/2016		<0.0013				
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013		
9/7/2016					<0.0013	
9/8/2016						<0.0013
11/7/2016	<0.0013		<0.0013	<0.0013		
11/8/2016					<0.0013	<0.0013
11/10/2016		<0.0013				
1/9/2017	<0.0013		<0.0013	<0.0013		
1/10/2017					<0.0013	<0.0013
1/11/2017		<0.0013				
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)		
3/14/2017		<0.0013				
3/15/2017					<0.0013	
3/16/2017						0.0015
5/15/2017	<0.0013		<0.0013	<0.0013		0.0012 (J)
5/16/2017					<0.0013	
5/18/2017		<0.0013				
3/12/2018	<0.0013		<0.0013	<0.0013		
3/13/2018					<0.0013	0.00082 (J)
3/14/2018		<0.0013				
6/5/2018	<0.0013		<0.0013	<0.0013		
6/6/2018					<0.0013	
6/7/2018						0.0007 (J)
6/10/2018		0.00046 (J)				
10/16/2018	<0.0013		<0.0013	<0.0013		
10/17/2018						<0.0013
10/18/2018		<0.0013			<0.0013	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013		
2/28/2019					<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013		
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)		
4/16/2020	<0.0013	<0.0013	<0.0013	<0.0013		
4/18/2020					<0.0013	<0.0013
10/7/2020	<0.0013	0.00056 (J)	<0.0013	<0.0013		
10/8/2020						0.00069 (J)
10/9/2020					<0.0013	
3/29/2021	<0.0013	0.00078	<0.0013	0.00054		
3/31/2021					<0.0013	
4/1/2021						<0.0013
9/2/2021	0.00059 (J)	<0.0013	<0.0013	<0.0013		
9/7/2021					<0.0013	<0.0013
3/22/2022	<0.0013	<0.0013	<0.0013	0.00027		
3/24/2022					<0.0013	<0.0013
9/7/2022	<0.0013	<0.0013	<0.0013			
9/8/2022				<0.0013		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/12/2022					<0.0013	<0.0013
4/6/2023	<0.0013	<0.0013	<0.0013	<0.0013		
4/10/2023					<0.0013	
4/11/2023						<0.0013

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0013	0.00038 (J)	
3/3/2016	0.009 (o)	<0.00025			<0.0013
5/2/2016				0.00073 (J)	
5/3/2016			<0.0013		
5/4/2016	0.019 (o)	<0.00025			<0.0013
7/5/2016			<0.0013	0.00077 (J)	
7/6/2016	0.014 (o)				<0.0013
7/7/2016		<0.00025			
9/6/2016			<0.0013	0.0013	
9/7/2016	0.005	<0.00025			<0.0013
11/7/2016		<0.00025	<0.0013	<0.0013	
11/8/2016	0.0035				<0.0013
1/9/2017			<0.0013	0.00053 (J)	
1/10/2017	0.0051	<0.00025			<0.0013
3/13/2017			<0.0013	<0.0013	
3/15/2017	0.00066 (J)	<0.00025			
3/16/2017					<0.0013
5/15/2017			<0.0013	<0.0013	
5/16/2017	0.00094 (J)	<0.00025			<0.0013
3/12/2018			<0.0013	<0.0013	
3/13/2018	0.00086 (J)	<0.00025			<0.0013
6/6/2018			<0.0013	<0.0013	
6/7/2018	0.00056 (J)	<0.00025			<0.0013
10/17/2018	0.0005 (J)	<0.00025	<0.0013	<0.0013	<0.0013
2/27/2019			<0.0013	<0.0013	<0.0013
2/28/2019	<0.0013	<0.00025			
5/31/2019			<0.0013	<0.0013	
11/6/2019			0.00014 (J)	0.00024 (J)	
4/16/2020			<0.0013	<0.0013	
4/18/2020	0.00053	0.00042			0.00046
10/7/2020			0.00064 (J)	<0.0013	
10/8/2020					0.0011 (J)
10/9/2020	<0.0013	0.00057 (J)			
3/29/2021			<0.0013	0.00042	
4/1/2021	0.00062	0.00048			<0.0013
9/2/2021			<0.0013	<0.0013	
9/7/2021	<0.0013	<0.00025			<0.0013
3/22/2022			<0.0013	<0.0013	
3/24/2022	0.0019	<0.00025			0.0023
9/8/2022			<0.0013	<0.0013	
9/12/2022	<0.0013				<0.0013
9/16/2022		0.092			
4/6/2023				<0.0013	
4/7/2023			<0.0013		
4/10/2023	<0.0013	0.016			
4/11/2023					<0.0013

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

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.014	0.0097 (J)	0.013	0.013		
3/3/2016					0.01 (J)	0.024
5/2/2016	0.013		0.013	0.01		
5/4/2016		0.0095			0.012	0.025
7/5/2016	0.013		0.013	0.0089		
7/6/2016						0.025
7/7/2016					0.012	
7/8/2016		0.0093				
9/6/2016	0.016	0.011	0.013	0.01		
9/7/2016					0.011	
9/8/2016						0.03
11/7/2016	0.014		0.013	0.0096		
11/8/2016					0.011	0.032
11/10/2016		0.0092				
1/9/2017	0.015		0.012	0.011		
1/10/2017					0.011	0.027
1/11/2017		0.0092				
3/13/2017	0.015		0.013	0.011		
3/14/2017		0.0095				
3/15/2017					0.013	
3/16/2017						0.04
5/15/2017	0.015		0.011	0.0089		0.028
5/16/2017					0.011	
5/18/2017		0.0095				
3/12/2018	0.017		0.013	0.01		
3/13/2018					0.011	0.034
3/14/2018		0.0089				
6/5/2018	0.018		0.014	0.011		
6/6/2018					0.012	
6/7/2018						0.053
6/10/2018		0.0092				
10/16/2018	0.017		0.011	0.011		
10/17/2018						0.048
10/18/2018		0.0089			0.01	
2/27/2019	0.021	0.011	0.014	0.011		
2/28/2019					0.012	0.032
5/31/2019	0.02	0.0088	0.013	0.01	0.011	0.029
11/6/2019	0.019	0.0094	0.012	0.0097		
11/11/2019					0.012	0.046
4/16/2020	0.02	0.0099	0.012	0.012		
4/18/2020					0.011	0.069
10/7/2020	0.02	0.0088	0.012	0.011		
10/8/2020						0.076
10/9/2020					0.011	
3/29/2021	0.019	0.0097	0.011	0.011		
3/31/2021					0.012	
4/1/2021						0.068
9/2/2021	0.02	0.0089	0.012	0.011		
9/7/2021					0.011	0.034
3/22/2022	0.019	0.0092	0.01	0.012		
3/24/2022					0.012	0.047
9/7/2022	0.019	0.0089	0.012			

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				0.012		
9/12/2022					0.011	0.044
4/6/2023	0.019	0.0093	0.01	0.012		
4/10/2023					0.012	
4/11/2023						0.049

Time Series

Constituent: Barium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.012	0.015	
3/3/2016	0.045	0.02			0.023
5/2/2016				0.013	
5/3/2016			0.012		
5/4/2016	0.035	0.017			0.029
7/5/2016			0.011	0.017	
7/6/2016	0.036				0.029
7/7/2016		0.018			
9/6/2016			0.012	0.017	
9/7/2016	0.026	0.017			0.029
11/7/2016		0.017	0.012	0.023	
11/8/2016	0.042				0.025
1/9/2017			0.013	0.016	
1/10/2017	0.041	0.016			0.022
3/13/2017			0.013	0.016	
3/15/2017	0.018	0.018			
3/16/2017					0.023
5/15/2017			0.012	0.015	
5/16/2017	0.026	0.016			0.02
3/12/2018			0.013	0.015	
3/13/2018	0.057	0.016			0.031
6/6/2018			0.014	0.017	
6/7/2018	0.04	0.016			0.026
10/17/2018	0.021	0.016	0.012	0.016	0.017
2/27/2019			0.015	0.018	0.024
2/28/2019	0.039	0.02			
5/31/2019	0.044	0.036	0.014	0.016	0.031
11/6/2019			0.013	0.017	
11/11/2019	0.027	0.026			0.02
4/16/2020			0.014	0.017	
4/18/2020	0.043	0.02			0.016
10/7/2020			0.013	0.016	
10/8/2020					0.022
10/9/2020	0.015	0.016			
3/29/2021			0.013	0.017	
4/1/2021	0.055	0.017			0.031
9/2/2021			0.012	0.017	
9/7/2021	0.041	0.015			0.029
3/22/2022			0.013	0.018	
3/24/2022	0.036	0.03			0.024
9/8/2022			0.012	0.017	
9/12/2022	0.022				0.019
9/16/2022		0.041			
4/6/2023				0.018	
4/7/2023			0.012		
4/10/2023	0.035	0.029			
4/11/2023					0.022

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		
5/4/2016		<0.0025			<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	<0.0025		<0.0025	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0025		<0.0025	<0.0025		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0025				
6/5/2018	<0.0025		<0.0025	<0.0025		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0025				
10/16/2018	<0.0025		<0.0025	<0.0025		
10/18/2018		<0.0025				
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025		
2/28/2019					<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025		
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0025		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0025		
4/18/2020					<0.0025	7.4E-05 (J)
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025		
4/10/2023					<0.0025	
4/11/2023						<0.0025

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	<0.0025	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0025	
5/3/2016			<0.0025		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0025	<0.0025	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0025	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0025	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0025	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0025	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0025	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0025	<0.0025	
2/27/2019			<0.0025	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019			<0.0025	<0.0025	
11/6/2019			<0.0025	<0.0025	
4/16/2020			<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025			<0.0025
10/7/2020			0.0014 (J)	0.0014 (J)	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0025	<0.0025	
9/7/2021	<0.0025	<0.0025			<0.0025
3/22/2022			<0.0025	<0.0025	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0025	<0.0025	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.001 (J)			
4/6/2023				<0.0025	
4/7/2023			<0.0025		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.018	<0.05	<0.018	<0.018		
3/3/2016					0.11 (J)	3.2
5/2/2016	<0.018		<0.018	<0.018		
5/4/2016		<0.05			<0.05	4
7/5/2016	<0.018		<0.018	<0.018		
7/6/2016						2.6
7/7/2016					<0.05	
7/8/2016		<0.05				
9/6/2016	<0.018	<0.05	<0.018	<0.018		
9/7/2016					0.028 (J)	
9/8/2016						3.6
11/7/2016	<0.018		<0.018	<0.018		
11/8/2016					0.025 (J)	5
11/10/2016		<0.05				
1/9/2017	<0.018		<0.018	<0.018		
1/10/2017					<0.05 (*)	4.2
1/11/2017		<0.05				
3/13/2017	<0.018		<0.018	0.022 (J)		
3/14/2017		<0.05				
3/15/2017					<0.05	
3/16/2017						3.5
5/15/2017	<0.018		<0.018	<0.018		3.2
5/16/2017					<0.05	
5/18/2017		<0.05				
10/2/2017	<0.018		<0.018	0.023 (J)		
10/3/2017					0.03 (J)	2.9
10/5/2017		<0.05				
12/20/2017						2
3/12/2018	<0.018		<0.018	<0.018		
3/13/2018					<0.05	3.4
3/14/2018		<0.05				
6/5/2018	<0.018		<0.018	<0.018		
6/6/2018					0.024 (J)	
6/7/2018						5.6
6/10/2018		<0.05				
10/16/2018	<0.018		<0.018	<0.018		
10/17/2018						7.3
10/18/2018		0.081			0.022 (J)	
2/27/2019	<0.018	<0.05	<0.018	<0.018		
2/28/2019					<0.05	3.1
5/31/2019	<0.018	<0.05	<0.018	<0.018	<0.05	2.7
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)		
11/11/2019					0.035 (V)	9.7
4/16/2020	0.02	0.013	0.013	0.017		
4/18/2020					0.027	5.7
10/7/2020	<0.018	<0.05	<0.018	<0.018		
10/8/2020						3.6
10/9/2020					0.025 (J)	
3/29/2021	<0.018	<0.05	<0.018	<0.018		
3/31/2021					0.046	
4/1/2021						3.5
9/2/2021	0.021 (J)	<0.05	0.018 (J)	0.022 (J)		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					0.022 (J)	3.1
3/22/2022	0.013	0.012	0.013	0.017		
3/24/2022					0.035	3.2
9/7/2022	0.031 (J)	0.029 (J)	0.031 (J)			
9/8/2022				0.055		
9/12/2022					0.05	5.2
4/6/2023	0.021 (J)	0.048 (J)	0.038 (J)	0.035 (J)		
4/10/2023					0.042 (J)	
4/11/2023						5

Time Series

Constituent: Boron (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.05	<0.05	
3/3/2016	1.6	<0.05			2.6
5/2/2016				<0.05	
5/3/2016			<0.05		
5/4/2016	2.3	<0.05 (*)			5.9
7/5/2016			<0.05	<0.05	
7/6/2016	1.9				4.9
7/7/2016		0.034 (J)			
9/6/2016			<0.05	<0.05	
9/7/2016	0.95	<0.05			6.4
11/7/2016		0.045 (J)	<0.05	<0.05	
11/8/2016	1.8				6
1/9/2017			<0.05	<0.05	
1/10/2017	1.9	<0.05 (*)			5.4
3/13/2017			<0.05	<0.05	
3/15/2017	0.38	<0.05			
3/16/2017					4.5
5/15/2017			<0.05	<0.05	
5/16/2017	2	0.043 (J)			3.9
10/2/2017			<0.05	<0.05	
10/3/2017	0.67	0.026 (J)			0.93
12/20/2017	3				3
3/12/2018			<0.05	<0.05	
3/13/2018	2.9	0.07			3.6
6/6/2018			<0.05	<0.05	
6/7/2018	2.9	0.1			3.4
10/17/2018	1.6	0.074	<0.05	<0.05	2.8
2/27/2019			<0.05	<0.05	2.8
2/28/2019	2.5	0.027 (J)			
5/31/2019	3.1	<0.05	<0.05	<0.05	4.4
11/6/2019			0.011 (V)	0.0099 (J)	
11/11/2019	10	0.036 (V)			16
4/16/2020			0.0075 (J)	0.0055 (J)	
4/18/2020	2.8	0.016			3
10/7/2020			<0.05	<0.05	
10/8/2020					2.4
10/9/2020	0.68	0.018 (J)			
3/29/2021			<0.05	<0.05	
4/1/2021	3.2	0.035			5.1
9/2/2021			<0.05	<0.05	
9/7/2021	1.4	<0.05			1.7
3/22/2022			0.009 (J)	0.0063 (J)	
3/24/2022	3.4	0.028			3.2
9/8/2022			0.027 (J)	0.025 (J)	
9/12/2022	2.5				3
9/16/2022		0.23			
4/6/2023				0.012 (J)	
4/7/2023			0.011 (J)		
4/10/2023	3.8	0.059			
4/11/2023					4.5

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		
5/4/2016		<0.0025			<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025		
7/6/2016						0.00036 (J)
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2016					<0.0025	
9/8/2016						0.00045 (J)
11/7/2016	<0.0025		<0.0025	<0.0025		
11/8/2016					<0.0025	0.00065 (J)
11/10/2016		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025		
1/10/2017					<0.0025	0.00051 (J)
1/11/2017		<0.0025				
3/13/2017	<0.0025		<0.0025	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						0.00049 (J)
5/15/2017	<0.0025		<0.0025	<0.0025		0.00045 (J)
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0025		<0.0025	<0.0025		
3/13/2018					<0.0025	0.00041 (J)
3/14/2018		<0.0025				
6/5/2018	<0.0025		<0.0025	<0.0025		
6/6/2018					<0.0025	
6/7/2018						0.00066 (J)
6/10/2018		<0.0025				
10/16/2018	<0.0025		<0.0025	<0.0025		
10/17/2018						0.00072 (J)
10/18/2018		<0.0025			<0.0025	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025		
2/28/2019					<0.0025	0.00039 (J)
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00034 (J)
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025		
11/11/2019					<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025		
4/18/2020					7.5E-05 (J)	0.00024 (J)
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0025	<0.0025	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0025	<0.0025	<0.0025	<0.0025		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025		
4/10/2023					<0.0025	
4/11/2023						<0.0025

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	<0.0025	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0025	
5/3/2016			<0.0025		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0025	<0.0025	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0025	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0025	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0025	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0025	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0025	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/27/2019			<0.0025	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/6/2019			<0.0025	<0.0025	
11/11/2019	0.001 (J)	<0.0025			<0.0025
4/16/2020			<0.0025	<0.0025	
4/18/2020	0.00073	7.6E-05 (J)			8.9E-05 (J)
10/7/2020			<0.0025	<0.0025	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0025	<0.0025	
9/7/2021	0.0042	<0.0025			<0.0025
3/22/2022			<0.0025	<0.0025	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0025	<0.0025	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.0029			
4/6/2023				<0.0025	
4/7/2023			<0.0025		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1	1 (J)	0.67	1.4		
3/3/2016					1 (J)	57
5/2/2016	0.78		0.58	1.1		
5/4/2016		0.62			1	60
7/5/2016	0.65		0.43	0.94		
7/6/2016						54
7/7/2016					0.62	
7/8/2016		0.4				
9/6/2016	0.7	0.45	0.48	1		
9/7/2016					0.6	
9/8/2016						68
11/7/2016	0.8		0.56	1.2		
11/8/2016					0.53	84
11/10/2016		0.44				
1/9/2017	0.74		0.43	1.2		
1/10/2017					0.51	64
1/11/2017		0.42				
3/13/2017	0.78		0.48	1.3		
3/14/2017		0.42				
3/15/2017					0.53	
3/16/2017						78
5/15/2017	0.76		0.37	1		63
5/16/2017					0.48	
5/18/2017		0.38				
10/2/2017	0.78		0.47	1.2		
10/3/2017					0.46	43
10/5/2017		0.39				
12/20/2017						44
3/12/2018	0.88		0.49	1.4		
3/13/2018					0.46	68
3/14/2018		0.49				
6/5/2018	0.9		0.49	1.2		
6/6/2018					0.45	
6/7/2018						89
6/10/2018		0.39				
10/16/2018	0.86		0.42	1.4		
10/17/2018						93
10/18/2018		0.41			0.48	
2/27/2019	0.96	0.44	0.56	1.3		
2/28/2019					0.44	48
5/31/2019	0.76	0.28	0.33	1.1	0.55	47
11/6/2019	0.88	0.46	0.49	1.2		
11/11/2019					0.56 (V)	73
4/16/2020	0.84	0.38	0.36	1.3		
4/18/2020					0.48	93
10/7/2020	0.93	0.47	0.43	1.6		
10/8/2020						100
10/9/2020					0.58	
3/29/2021	1	0.43	0.46	1.6		
3/31/2021					0.3	
4/1/2021						97
9/2/2021	1.1	0.63	0.47	1.5		

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					0.46	56
3/22/2022	0.9	0.38	0.33	1.6		
3/24/2022					0.59	75
9/7/2022	1	0.6	0.61			
9/8/2022				2.1		
9/12/2022					0.71	74
4/6/2023	0.81	0.42	0.32	2.1		
4/10/2023					0.57	
4/11/2023						73

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.6	1.5	
3/3/2016	160	2.5			84
5/2/2016				0.83	
5/3/2016			0.55		
5/4/2016	140	1.1			90
7/5/2016			0.53	1.6	
7/6/2016	120				72
7/7/2016		0.71			
9/6/2016			0.5	1.6	
9/7/2016	94	0.78			75
11/7/2016		0.82	0.68	1.5	
11/8/2016	160				79
1/9/2017			0.56	0.98	
1/10/2017	150	0.58			61
3/13/2017			0.62	0.75	
3/15/2017	78	0.69			
3/16/2017					62
5/15/2017			0.58	0.83	
5/16/2017	120	0.66			64
10/2/2017			0.62	0.83	
10/3/2017	160	0.68			59
12/20/2017	120				65
3/12/2018			0.59	0.71	
3/13/2018	110	0.65			77
6/6/2018			0.59	0.68	
6/7/2018	97	0.6			78
10/17/2018	130	0.73	0.54	0.66	60
2/27/2019			0.63	0.7	65
2/28/2019	120	0.84			
5/31/2019	110	2.6	0.45	0.52	84
11/6/2019			0.55	0.74	
11/11/2019	82	1.6 (V)			63
4/16/2020			0.53	0.59	
4/18/2020	150	0.9			48
10/7/2020			0.63	0.67	
10/8/2020					55
10/9/2020	120	0.76			
3/29/2021			0.68	0.75	
4/1/2021	170	0.61			73
9/2/2021			0.56	0.73	
9/7/2021	190	0.53			66
3/22/2022			0.81	0.7	
3/24/2022	200	3.9			68
9/8/2022			0.69	0.82	
9/12/2022	130				63
9/16/2022		58			
4/6/2023				0.68	
4/7/2023			0.49		
4/10/2023	230	7.5			
4/11/2023					75

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.3	5.4	8.1	7.4		
3/3/2016					8.2	36
5/2/2016	4.4		6	6.3		
5/4/2016		4.5			8.2	47
7/5/2016	4.2		5.2	4.8		
7/6/2016						28
7/7/2016					8.3	
7/8/2016		4.9				
9/6/2016	4.3	4.3	5.5	6		
9/7/2016					8.1	
9/8/2016						47
11/7/2016	4.2		5.4	5.7		
11/8/2016					8.5	150
11/10/2016		4.5				
1/9/2017	5.3		6.1	6.8		
1/10/2017					9.1	110
1/11/2017		5.3				
3/13/2017	5.2		5.5	6.8		
3/14/2017		5.5				
3/15/2017					48	
3/16/2017						200
5/15/2017	4.8		4.7	6.1		120
5/16/2017					8.9	
5/18/2017		5				
10/2/2017	5.5		6.1	6		
10/3/2017					8.9	38
10/5/2017		5.6				
12/20/2017					8.8	22
3/12/2018	5.3		6.1	5.9		
3/13/2018					8.3	82
3/14/2018		5.2				
6/5/2018	5.3		5.5	6.5		
6/6/2018					8	
6/7/2018						170
6/10/2018		5.2				
10/16/2018	5.5		5.1	5.9		
10/17/2018						110
10/18/2018		5.2			8.1	
2/27/2019	4.6	5.1	5	4.3		
2/28/2019					9.1	49
5/31/2019	5.1	5	5.4	4.5	8.2	50
11/6/2019	5.8	6	6.1	5.7		
11/11/2019					8.4	63
4/16/2020	6.1	5.8	5.3	5.6		
4/18/2020					8.7	96
10/7/2020	6.6	5.9	5.7	5.1		
10/8/2020						230
10/9/2020					8.9	
3/29/2021	10	5.8	5.2	5		
3/31/2021					8.4	
4/1/2021						48
9/2/2021	5.8	5.1	5.1	5.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					8.3	46
3/22/2022	5.9	4.9	4.7	8.8		
3/24/2022					9.2	36
9/7/2022	4.4	3.4	3.6			
9/8/2022				3.4		
9/12/2022					7.1	29
4/6/2023	4.3	3.6	3.8	4.2		
4/10/2023					6.1	
4/11/2023						29

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.6	4	
3/3/2016	110	7.9			43
5/2/2016				3.6	
5/3/2016			5.1		
5/4/2016	120	7			63
7/5/2016			4.7	3.6	
7/6/2016	130				51
7/7/2016		7.1			
9/6/2016			4.4	4	
9/7/2016	43	6.9			57
11/7/2016		8	4.6	4.4	
11/8/2016	98				47
1/9/2017			5.3	4.4	
1/10/2017	150	<7.4 (*)			45
3/13/2017			5.6	4.1	
3/15/2017	65	8.1			
3/16/2017					40
5/15/2017			5.2	3.7	
5/16/2017	120	7.8			39
10/2/2017			5.5	4.8	
10/3/2017	21	7.1			20
12/20/2017	79	7.6			63
3/12/2018			5.6	4	
3/13/2018	84	6.9			130
6/6/2018			5.6	4.1	
6/7/2018	86	7.3			120
10/17/2018	45	6.8	5.5	3.7	70
2/27/2019			5.1	4	94
2/28/2019	110	7.1			
5/31/2019	130	9.8	5.4	3.7	110
11/6/2019			5.9	4.7	
11/11/2019	81	12			62
4/16/2020			6.2	4.9	
4/18/2020	140	8.2			33
10/7/2020			6.1	4.7	
10/8/2020					36
10/9/2020	14	7.5			
3/29/2021			6.2	5.4	
4/1/2021	71	7.4			96
9/2/2021			5.9	5.1	
9/7/2021	25	7			88
3/22/2022			5.6	4.8	
3/24/2022	140	9.2			64
9/8/2022			4.3	5.3	
9/12/2022	64				40
9/16/2022		21			
4/6/2023				4.2	
4/7/2023			4.1		
4/10/2023	82	6.4			
4/11/2023					20

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	0.0029		0.0019 (J)	0.0034		
5/4/2016		<0.0025			0.0037	<0.0025
7/5/2016	<0.0025		0.0051	0.0059		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0025				
1/9/2017	<0.0025		0.017 (o)	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	<0.0025		<0.0025	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0025		<0.0025	<0.0025		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0025				
6/5/2018	<0.0025		<0.0025	<0.0025		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0025				
10/16/2018	<0.0025		<0.0025	<0.0025		
10/18/2018		<0.0025				
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025		
2/28/2019					<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025		
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025		
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025		
4/18/2020					<0.0025	<0.0025
10/7/2020	<0.0025	0.0046	0.001 (J)	0.0015 (J)		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0025	0.0024	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						0.0014
9/2/2021	0.0014 (J)	<0.0025	<0.0025	<0.0025		
9/7/2021					0.0012 (J)	0.0012 (J)
3/22/2022	0.0046	0.0051	0.00032 (J)	0.00027 (J)		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025		
4/10/2023					<0.0025	
4/11/2023						<0.0025

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	0.00056 (J)	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				0.0021 (J)	
5/3/2016			0.0012 (J)		
5/4/2016	0.0012 (J)	0.0025			<0.0025
7/5/2016			<0.0025	<0.0025	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0025	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0025	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0025	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0025	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0025	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0025	<0.0025	
2/27/2019			<0.0025	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019			<0.0025	<0.0025	
11/6/2019			<0.0025	<0.0025	
4/16/2020			<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025			0.00082
10/7/2020			0.0033	0.0017 (J)	
10/8/2020					<0.0025
10/9/2020	0.0016 (J)	0.0016 (J)			
3/29/2021			<0.0025	<0.0025	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0025	<0.0025	
9/7/2021	0.0025	0.0012 (J)			0.0022 (J)
3/22/2022			0.0088	0.0022	
3/24/2022	0.0021 (J)	0.002			<0.0025
9/8/2022			<0.0025	<0.0025	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.0013 (J)			
4/6/2023				<0.0025	
4/7/2023			<0.0025		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)		
3/3/2016					<0.0025	<0.0025
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		
5/4/2016		<0.0025			0.00093 (J)	0.0007 (J)
7/5/2016	0.00049 (J)		0.0027	0.0032		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025		
11/8/2016					<0.0025	0.00051 (J)
11/10/2016		<0.0025				
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						0.0004 (J)
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025		0.00079 (J)
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025		
3/13/2018					<0.0025	0.00056 (J)
3/14/2018		<0.0025				
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025		
6/6/2018					<0.0025	
6/7/2018						0.0007 (J)
6/10/2018		<0.0025				
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025		
10/17/2018						<0.0025
10/18/2018		<0.0025			<0.0025	
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025		
2/28/2019					<0.0025	0.00059 (J)
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00073 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)		
11/11/2019					0.00023 (J)	0.00065 (J)
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)		
4/18/2020					0.00024 (J)	0.00044 (J)
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	0.00059	<0.0025	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	0.00069 (J)	<0.0025	<0.0025	<0.0025		
9/7/2021					<0.0025	<0.0025
3/22/2022	0.0014	0.0012	0.00038 (J)	0.0002 (J)		
3/24/2022					0.00024 (J)	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025
4/6/2023	0.0011 (J)	0.00087 (J)	0.00098 (J)	0.00078 (J)		
4/10/2023					<0.0025	
4/11/2023						0.00056 (J)

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.00064 (J)	0.00071 (J)	
3/3/2016	0.19	0.00085 (J)			0.00063 (J)
5/2/2016				0.001 (J)	
5/3/2016			0.00079 (J)		
5/4/2016	0.16	0.001 (J)			0.00056 (J)
7/5/2016			<0.0025	0.00055 (J)	
7/6/2016	0.15				<0.0025
7/7/2016		0.00044 (J)			
9/6/2016			0.00094 (J)	0.00057 (J)	
9/7/2016	0.019	0.00052 (J)			<0.0025
11/7/2016		0.00046 (J)	0.00041 (J)	0.00047 (J)	
11/8/2016	0.099				<0.0025
1/9/2017			0.00074 (J)	0.00054 (J)	
1/10/2017	0.077	0.00042 (J)			<0.0025
3/13/2017			0.00091 (J)	0.0004 (J)	
3/15/2017	0.0042	0.00044 (J)			
3/16/2017					<0.0025
5/15/2017			0.00075 (J)	0.00046 (J)	
5/16/2017	0.0067	<0.0025			<0.0025
3/12/2018			0.00044 (J)	<0.0025	
3/13/2018	0.015	<0.0025			<0.0025
6/6/2018			0.0004 (J)	0.00048 (J)	
6/7/2018	0.014	<0.0025			<0.0025
10/17/2018	0.012	<0.0025	<0.0025	0.00043 (J)	<0.0025
2/27/2019			<0.0025	0.00045 (J)	<0.0025
2/28/2019	0.02	0.00042 (J)			
5/31/2019	0.026	0.00046 (J)	<0.0025	<0.0025	<0.0025
11/6/2019			0.00029 (J)	0.00094 (J)	
11/11/2019	0.023	0.00063 (J)			<0.0025
4/16/2020			0.00029 (J)	0.00053	
4/18/2020	0.015	0.00045 (J)			<0.0025
10/7/2020			<0.0025	<0.0025	
10/8/2020					<0.0025
10/9/2020	0.0019 (J)	<0.0025			
3/29/2021			<0.0025	0.00062	
4/1/2021	0.0079	<0.0025			<0.0025
9/2/2021			<0.0025	0.00069 (J)	
9/7/2021	0.3	<0.0025			<0.0025
3/22/2022			0.0014	0.0016	
3/24/2022	0.01	0.0016			<0.0025
9/8/2022			<0.0025	0.00064 (J)	
9/12/2022	0.012				<0.0025
9/16/2022		0.036			
4/6/2023				0.0022 (J)	
4/7/2023			0.00072 (J)		
4/10/2023	0.014	0.0085			
4/11/2023					<0.0025

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1.27	1.09	1.42	2.4		
3/3/2016					4.62	5.43
5/2/2016	0.808		1.03	1.62		
5/4/2016		0.848			5.36	5.52
7/5/2016	0.947		0.961	1.01		
7/6/2016						12.9
7/7/2016					6.27	
7/8/2016		1.46				
9/6/2016	1.07	1.34	1.07	1.8		
9/7/2016					5.25	
9/8/2016						3.73
11/7/2016	0.602		0.818	1.86		
11/8/2016					5.64	5.61
11/10/2016		1.23				
1/9/2017	0.865		0.934	2.25		
1/10/2017					5.39	4.33
1/11/2017		1.11				
3/13/2017	0.693		0.937	1.87		
3/14/2017		1.01				
3/15/2017					5.72	
3/16/2017						6.34
5/15/2017	0.786		0.685	1.4		5.77
5/16/2017					4.84	
5/18/2017		0.745				
3/12/2018	0.933		1.09	1.97		
3/13/2018					5.59	5.94
3/14/2018		0.614				
6/5/2018	0.713		0.927	2.17		
6/6/2018					3.96	
6/7/2018						5.79
6/10/2018		0.959				
10/16/2018	2.14		1.07	2.2		
10/17/2018						6.31
10/18/2018		0.944			5.75	
2/27/2019	0.651	0.827	0.912	1.8		
2/28/2019					4.82	5.4
5/31/2019	1.33	0.99	1.24	1.8	4.06	4.37
11/6/2019	1.32	0.892	0.509 (U)	2.32		
11/11/2019					5.43	5.71
4/16/2020	0.971	0.497	0.568	1.35		
4/18/2020					5.09	6.89
10/7/2020	1.14	1.07	0.763	1.75		
10/8/2020						8.36
10/9/2020					4.71	
3/29/2021	1.72	0.561	0.708			
3/30/2021				1.71		
3/31/2021					4.44	
4/1/2021						6.31
9/2/2021	1.65	0.975	1.75	2.13		
9/7/2021					5.47	6.02
3/22/2022	1.75	1.1	1.78	3.12		
3/24/2022					5.39	5.28

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2022	2	1.32	1.46			
9/8/2022				3.32		
9/12/2022					5.46	4.49
4/6/2023	0.942	0.754	0.97	2.58		
4/10/2023					1.95	
4/11/2023						6.62

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.647	<5	
3/3/2016	9.46	1.67			2.29
5/2/2016				<5	
5/3/2016			0.748		
5/4/2016	9.66	1.18			2.58
7/5/2016			0.591	<5	
7/6/2016	2.84				3.08
7/7/2016		1.24			
9/6/2016			0.831	0.566	
9/7/2016	4.49	1.49			3.04
11/7/2016		1.32	0.983	0.784	
11/8/2016	7.47				2.96
1/9/2017			0.767	0.541	
1/10/2017	9.6	2.16			3.5
3/13/2017			1.26	0.442	
3/15/2017	2.22	1.14			
3/16/2017					2.9
5/15/2017			0.553	0.345	
5/16/2017	3.89	1.26			1.47
3/12/2018			0.783	0.848	
3/13/2018	5.25	1.29			2.96
6/6/2018			1.08	0.78	
6/7/2018	4.1	1.25			2.45
10/17/2018	3.15	1.24	1.19	0.88	2.7
2/27/2019			0.741	0.431	2.61
2/28/2019	5.21	1.55			
5/31/2019	6.03	1.9	0.759	0.884	3.62
11/6/2019			0.105 (U)	0.366 (U)	
11/11/2019	5.15	1.58			2
4/16/2020			0.588	0.264 (U)	
4/18/2020	7.33	1.55			1.34
10/7/2020			0.709 (U)	0.46 (U)	
10/8/2020					3.17
10/9/2020	1.58	0.858			
3/29/2021			0.899	0.642	
4/1/2021	6.79	1.23			2.27
9/2/2021			0.856	0.951	
9/7/2021	6.19	1.6			2.42
3/22/2022			1.33	1.32	
3/24/2022	6.01	3			3.16
9/8/2022			0.936	1.36	
9/12/2022	3.54				2.84
9/16/2022		20			
4/6/2023				1.28	
4/7/2023			1.26		
4/10/2023	5.02	6.83			
4/11/2023					1.17

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

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.11	5.26	5.11	4.9		
3/3/2016					5.11	6.16
5/2/2016	4.76		4.77	4.69		
5/4/2016		5.1			5.13	6.3
7/5/2016	5.12		5.48	7.11 (o)		
7/6/2016						7.07
7/7/2016					4.96	
7/8/2016		4.96				
9/6/2016	5.11	5.43	5.12	5.19		
9/7/2016					4.88	
9/8/2016						6.72
11/7/2016	4.76		4.73	4.64		
11/8/2016					4.54	6.55
11/10/2016		4.89				
1/9/2017	4.99		5	4.94		
1/10/2017					4.83	6.72
1/11/2017		4.87				
3/13/2017	4.57		4.74	4.63		
3/14/2017		4.71				
3/15/2017					4.82	
3/16/2017						6.5
5/15/2017	4.6		4.63	4.52		6.15
5/16/2017					4.53	
5/18/2017		4.5				
10/2/2017	4.64		4.63	4.54		
10/3/2017					4.44	6.48
10/5/2017		4.63				
12/20/2017					4.63	6.99 (R)
3/12/2018	4.85		4.81	4.81		
3/13/2018					4.78	6.61
3/14/2018		5.14				
6/5/2018	4.92		5.04	4.9		
6/6/2018					4.67	
6/7/2018						6.48
6/10/2018		5.12				
10/16/2018	4.93		4.98	4.81		
10/17/2018						6.58
10/18/2018		4.97			4.71	
2/27/2019	4.75	4.84	4.78	4.71		
2/28/2019					4.71	6.53
5/31/2019	4.9	4.92	4.92	4.84	4.62	6.25
11/6/2019	4.82	4.94	4.88	4.78		
11/11/2019					4.77	6.68
4/16/2020	5.03	5.17	5.15	4.96		
4/18/2020					4.69	6.61
10/7/2020	4.74	5.08	4.91	4.8		
10/8/2020						6.68
10/9/2020					4.6	
3/29/2021	4.79	4.92	4.89	4.8		
3/31/2021					4.69	
4/1/2021						6.46
9/2/2021	4.81	5.07	4.87	4.77		

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					4.52	6.56
3/22/2022	4.9	5.02	4.91	4.89		
3/24/2022					4.68	6.9
9/7/2022	4.72	4.89	4.92			
9/8/2022				4.78		
9/12/2022					4.64	6.76
4/6/2023	4.8	4.79	4.88	4.8		
4/10/2023					4.57	
4/11/2023						6.5

Time Series

Constituent: Field pH (SU) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.08	6.37 (o)	
3/3/2016	5.185 (D)	5.33			6.62 (D)
5/2/2016				5.605 (D)	
5/3/2016			5.14		
5/4/2016	5.02 (D)	5.13			6.345 (D)
7/5/2016			5.38	6.29 (o)	
7/6/2016	4.93				6.42
7/7/2016		5.19			
9/6/2016			5.37	6.42 (o)	
9/7/2016	5.36	4.9			6.01
11/7/2016		4.78	4.92	5.75	
11/8/2016	5.26				6.02
1/9/2017			5.05	5.98	
1/10/2017	5.04	4.96			6
3/13/2017			4.87	5.81	
3/15/2017	5.91	4.89			
3/16/2017					6.12
5/15/2017			4.69	5.42	
5/16/2017	5.36	4.53			6.13
10/2/2017			4.88	5.63	
10/3/2017	6.36	4.64			5.47
12/20/2017	5.86	4.87			6.07 (R)
3/12/2018			5.07	5.6	
3/13/2018	5.41	4.91			6.26
6/6/2018			5.09	5.58	
6/7/2018	5.37	4.8			6.36
10/17/2018	5.94	4.87	4.99	5.54	6.18
2/27/2019			4.87	5.4	6.49
2/28/2019	5.64	4.86			
5/31/2019	5.41	4.84	4.89	5.45	6.65
11/6/2019			5.04	5.52	
11/11/2019	5.18	4.9			6.75
4/16/2020			5.13	5.58	
4/18/2020	5.2	4.91			6.97
10/7/2020			5.13	5.5	
10/8/2020					5.78
10/9/2020	6.49	4.93			
3/29/2021			4.93	5.46	
4/1/2021	5.81	4.83			6.55
9/2/2021			4.94	5.16	
9/7/2021	5.1	4.68			6.13
3/22/2022			5.1	5.18	
3/24/2022	5.83	4.84			6.68
9/8/2022			4.87	5.13	
9/12/2022	6.13				6.58
9/16/2022		3.8 (o)			
4/6/2023				5.02	
4/7/2023			4.9		
4/10/2023	5.97	4.11			
4/11/2023					6.79

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.1	<0.1	<0.1	<0.1		
3/3/2016					0.041 (J)	0.15
5/2/2016	<0.1		<0.1	<0.1		
5/4/2016		<0.1			<0.1	0.11
7/5/2016	<0.1		<0.1	<0.1		
7/6/2016						0.13
7/7/2016					<0.1	
7/8/2016		<0.1				
9/6/2016	<0.1	<0.1	<0.1	<0.1		
9/7/2016					<0.1	
9/8/2016						0.12
11/7/2016	<0.1		<0.1	<0.1		
11/8/2016					<0.1	0.13
11/10/2016		<0.1				
1/9/2017	<0.1		<0.1	<0.1		
1/10/2017					<0.1	0.15
1/11/2017		<0.1				
3/13/2017	<0.1		<0.1	<0.1		
3/14/2017		<0.1				
3/15/2017					<0.1	
3/16/2017						0.16
5/15/2017	<0.1		<0.1	<0.1		0.2
5/16/2017					<0.1	
5/18/2017		<0.1				
10/2/2017	<0.1		<0.1	<0.1		
10/3/2017					<0.1	0.25
10/5/2017		<0.1				
12/20/2017						0.25
3/12/2018	<0.1		<0.1	<0.1		
3/13/2018					<0.1	0.26
3/14/2018		0.12				
6/5/2018	<0.1		<0.1	<0.1		
6/6/2018					<0.1	
6/7/2018						0.28
6/10/2018		<0.1				
10/16/2018	<0.1		<0.1	<0.1		
10/17/2018						0.29
10/18/2018		<0.1			<0.1	
2/27/2019	<0.1	<0.1	<0.1	<0.1		
2/28/2019					<0.1	0.28
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	0.33
11/6/2019	<0.1	<0.1	<0.1	<0.1		
11/11/2019					<0.1	0.26
4/16/2020	<0.1	<0.1	<0.1	<0.1		
4/18/2020					<0.1	0.25
10/7/2020	<0.1	<0.1	<0.1	<0.1		
10/8/2020						<0.1
10/9/2020					<0.1	
3/29/2021	0.06	<0.1	<0.1	<0.1		
3/31/2021					<0.1	
4/1/2021						0.26
9/2/2021	0.08 (J)	0.04 (J)	0.1	<0.1		

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					<0.1	0.24
3/22/2022	<0.1	<0.1	<0.1	<0.1		
3/24/2022					<0.1	0.22
9/7/2022	<0.1	<0.1	<0.1			
9/8/2022				<0.1		
9/12/2022					<0.1	0.15 (J)
4/6/2023	<0.1	<0.1	<0.1	<0.1		
4/10/2023					<0.1	
4/11/2023						0.19

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.1	0.033 (J)	
3/3/2016	0.12	0.035 (J)			0.11
5/2/2016				<0.1	
5/3/2016			<0.1		
5/4/2016	0.19	<0.1			0.07 (J)
7/5/2016			<0.1	<0.1	
7/6/2016	0.15				0.07 (J)
7/7/2016		<0.1			
9/6/2016			<0.1	<0.1	
9/7/2016	0.06 (J)	<0.1			0.06 (J)
11/7/2016		<0.1	<0.1	<0.1	
11/8/2016	0.09 (J)				0.06 (J)
1/9/2017			<0.1	<0.1	
1/10/2017	<0.1	<0.1			0.04 (J)
3/13/2017			<0.1	<0.1	
3/15/2017	<0.1	<0.1			
3/16/2017					0.06 (J)
5/15/2017			<0.1	<0.1	
5/16/2017	0.04 (J)	<0.1			0.09 (J)
10/2/2017			<0.1	<0.1	
10/3/2017	0.07 (J)	<0.1			0.13
12/20/2017					0.1
3/12/2018			<0.1	<0.1	
3/13/2018	<0.1	<0.1			0.1
6/6/2018			<0.1	<0.1	
6/7/2018	<0.1	<0.1			0.14
10/17/2018	0.06 (J)	<0.1	<0.1	<0.1	0.14
2/27/2019			<0.1	<0.1	0.16
2/28/2019	<0.1	<0.1			
5/31/2019	<0.1	<0.1	<0.1	<0.1	0.2
11/6/2019			<0.1	<0.1	
11/11/2019	<0.1	<0.1			0.16
4/16/2020			<0.1	<0.1	
4/18/2020	<0.1	<0.1			0.17
10/7/2020			<0.1	<0.1	
10/8/2020					0.07 (J)
10/9/2020	0.04 (J)	<0.1			
3/29/2021			<0.1	<0.1	
4/1/2021	0.04	0.032			0.19
9/2/2021			<0.1	0.04 (J)	
9/7/2021	0.7	<0.1			0.17
3/22/2022			<0.1	<0.1	
3/24/2022	<0.1	<0.1			0.14
9/8/2022			<0.1	<0.1	
9/12/2022	<0.1				<0.1
9/16/2022		4.6			
4/6/2023				<0.1	
4/7/2023			<0.1		
4/10/2023	<0.1	0.81			
4/11/2023					0.17

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013		
3/3/2016					<0.0013	<0.0013
5/2/2016	<0.0013		<0.0013	<0.0013		
5/4/2016		<0.0013			<0.0013	<0.0013
7/5/2016	<0.0013		<0.0013	<0.0013		
7/6/2016						<0.0013
7/7/2016					<0.0013	
7/8/2016		<0.0013				
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013		
9/7/2016					<0.0013	
9/8/2016						<0.0013
11/7/2016	<0.0013		<0.0013	<0.0013		
11/8/2016					<0.0013	<0.0013
11/10/2016		<0.0013				
1/9/2017	<0.0013		<0.0013	<0.0013		
1/10/2017					<0.0013	<0.0013
1/11/2017		<0.0013				
3/13/2017	<0.0013		<0.0013	<0.0013		
3/14/2017		<0.0013				
3/15/2017					<0.0013	
3/16/2017						<0.0013
5/15/2017	<0.0013		<0.0013	<0.0013		<0.0013
5/16/2017					<0.0013	
5/18/2017		<0.0013				
3/12/2018	<0.0013		<0.0013	<0.0013		
3/13/2018					<0.0013	<0.0013
3/14/2018		<0.0013				
6/5/2018	<0.0013		<0.0013	<0.0013		
6/6/2018					<0.0013	
6/7/2018						<0.0013
6/10/2018		<0.0013				
10/16/2018	<0.0013		<0.0013	<0.0013		
10/18/2018		<0.0013				
2/27/2019	<0.0013	<0.0013	0.001 (J)	<0.0013		
2/28/2019					<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013		
11/6/2019	0.0001 (J)	<0.0013	6.6E-05 (J)	8.4E-05 (J)		
4/16/2020	6.6E-05 (J)	<0.0013	<0.0013	<0.0013		
4/18/2020					8.3E-05 (J)	0.00011 (J)
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013		
10/8/2020						<0.0013
10/9/2020					<0.0013	
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013		
3/31/2021					0.00039	
4/1/2021						<0.0013
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013		
9/7/2021					<0.0013	<0.0013
3/22/2022	<0.0013	<0.0013	<0.0013	<0.0013		
3/24/2022					<0.0013	<0.0013
9/7/2022	<0.0013	<0.0013	<0.0013			
9/8/2022				<0.0013		
9/12/2022					<0.0013	<0.0013

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.0013	<0.0013	<0.0013	<0.0013		
4/10/2023					<0.0013	
4/11/2023						<0.0013

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

Time Series

Constituent: Lead (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0013	<0.0013	
3/3/2016	<0.0013	<0.0013			<0.0013
5/2/2016				<0.0013	
5/3/2016			<0.0013		
5/4/2016	0.00086 (J)	<0.0013			<0.0013
7/5/2016			<0.0013	<0.0013	
7/6/2016	0.0014				<0.0013
7/7/2016		<0.0013			
9/6/2016			<0.0013	<0.0013	
9/7/2016	0.00056 (J)	<0.0013			<0.0013
11/7/2016		<0.0013	<0.0013	<0.0013	
11/8/2016	0.00047 (J)				<0.0013
1/9/2017			<0.0013	<0.0013	
1/10/2017	0.00041 (J)	<0.0013			<0.0013
3/13/2017			<0.0013	<0.0013	
3/15/2017	<0.0013	<0.0013			
3/16/2017					<0.0013
5/15/2017			<0.0013	<0.0013	
5/16/2017	<0.0013	<0.0013			<0.0013
3/12/2018			<0.0013	<0.0013	
3/13/2018	<0.0013	<0.0013			<0.0013
6/6/2018			<0.0013	<0.0013	
6/7/2018	<0.0013	<0.0013			<0.0013
10/17/2018			<0.0013	<0.0013	
2/27/2019			<0.0013	<0.0013	<0.0013
2/28/2019	<0.0013	<0.0013			
5/31/2019			<0.0013	<0.0013	
11/6/2019			<0.0013	0.0002 (J)	
4/16/2020			<0.0013	0.00016 (J)	
4/18/2020	0.00022 (J)	<0.0013			<0.0013
10/7/2020			<0.0013	<0.0013	
10/8/2020					<0.0013
10/9/2020	0.00048 (J)	<0.0013			
3/29/2021			<0.0013	<0.0013	
4/1/2021	<0.0013	<0.0013			<0.0013
9/2/2021			<0.0013	<0.0013	
9/7/2021	<0.0013	<0.0013			<0.0013
3/22/2022			<0.0013	<0.0013	
3/24/2022	<0.0013	<0.0013			<0.0013
9/8/2022			<0.0013	<0.0013	
9/12/2022	<0.0013				<0.0013
9/16/2022		0.0019			
4/6/2023				<0.0013	
4/7/2023			<0.0013		
4/10/2023	<0.0013	<0.0013			
4/11/2023					<0.0013

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	0.037
5/2/2016	<0.005		<0.005	<0.005		
5/4/2016		<0.005			<0.005	0.029
7/5/2016	<0.005		<0.005	<0.005		
7/6/2016						0.024
7/7/2016					<0.005	
7/8/2016		<0.005				
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005		
9/7/2016					<0.005	
9/8/2016						0.022
11/7/2016	<0.005		<0.005	<0.005		
11/8/2016					<0.005	0.026
11/10/2016		<0.005				
1/9/2017	<0.005		<0.005	<0.005		
1/10/2017					<0.005	0.024
1/11/2017		<0.005				
3/13/2017	<0.005		<0.005	<0.005		
3/14/2017		<0.005				
3/15/2017					<0.005	
3/16/2017						0.029
5/15/2017	<0.005		<0.005	<0.005		0.025
5/16/2017					<0.005	
5/18/2017		<0.005				
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005		
3/13/2018					<0.005	0.03
3/14/2018		<0.005				
6/5/2018	<0.005		0.0012 (J)	<0.005		
6/6/2018					<0.005	
6/7/2018						0.025
6/10/2018		<0.005				
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)		
10/17/2018						0.024
10/18/2018		0.0013 (J)			<0.005	
2/27/2019	<0.005	<0.005	<0.005	<0.005		
2/28/2019					<0.005	0.021
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0014 (J)	0.021
11/6/2019	0.0011	0.001	0.0011	<0.005		
11/11/2019					0.00062 (J)	0.023
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005		
4/18/2020					0.00062 (J)	0.023
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)		
10/8/2020						0.029
10/9/2020					<0.005	
3/29/2021	<0.005	0.0019	<0.005	<0.005		
3/31/2021					0.0036	
4/1/2021						0.022
9/2/2021	<0.005	<0.005	<0.005	<0.005		
9/7/2021					<0.005	0.023
3/22/2022	0.0013	0.0014	<0.005	<0.005		
3/24/2022					<0.005	0.021
9/7/2022	<0.005	<0.005	<0.005			

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.005		
9/12/2022					<0.005	<0.005
4/6/2023	<0.005	<0.005	<0.005	<0.005		
4/10/2023					<0.005	
4/11/2023						0.016

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.005	0.0037	
3/3/2016	<0.005	<0.005			<0.005
5/2/2016				<0.005	
5/3/2016			<0.005		
5/4/2016	<0.005	<0.005			<0.005
7/5/2016			<0.005	<0.005	
7/6/2016	0.0044 (J)				<0.005
7/7/2016		<0.005			
9/6/2016			<0.005	<0.005	
9/7/2016	<0.005	<0.005			<0.005
11/7/2016		<0.005	<0.005	0.0097 (o)	
11/8/2016	<0.005				<0.005
1/9/2017			<0.005	<0.005	
1/10/2017	<0.005	<0.005			<0.005
3/13/2017			<0.005	<0.005	
3/15/2017	<0.005	<0.005			
3/16/2017					<0.005
5/15/2017			<0.005	<0.005	
5/16/2017	<0.005	<0.005			<0.005
3/12/2018			<0.005	<0.005	
3/13/2018	<0.005	<0.005			<0.005
6/6/2018			<0.005	0.0021 (J)	
6/7/2018	0.0012 (J)	0.0014 (J)			0.0011 (J)
10/17/2018	<0.005	<0.005	<0.005	0.0012 (J)	<0.005
2/27/2019			<0.005	0.002 (J)	0.0011 (J)
2/28/2019	<0.005	<0.005			
5/31/2019	0.0023 (J)	<0.005	0.0015 (J)	0.0026 (J)	0.0021 (J)
11/6/2019			0.00063 (J)	0.0012	
11/11/2019	0.0034	0.00054 (J)			0.0013
4/16/2020			<0.005	0.00091 (J)	
4/18/2020	0.0012	0.00047 (J)			<0.005
10/7/2020			0.005	0.0049 (J)	
10/8/2020					<0.005
10/9/2020	<0.005	<0.005			
3/29/2021			<0.005	0.0042	
4/1/2021	0.0027	0.0025			<0.005
9/2/2021			<0.005	<0.005	
9/7/2021	0.0096	<0.005			<0.005
3/22/2022			0.0012	<0.005	
3/24/2022	<0.005	<0.005			<0.005
9/8/2022			<0.005	<0.005	
9/12/2022	<0.005				<0.005
9/16/2022		0.006			
4/6/2023				<0.005	
4/7/2023			<0.005		
4/10/2023	<0.005	<0.005			
4/11/2023					<0.005

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002		
3/3/2016					<0.0002	<0.0002
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		
5/4/2016		<0.0002			<0.0002	<0.0002
7/5/2016	<0.0002		<0.0002	<0.0002		
7/6/2016						<0.0002
7/7/2016					<0.0002	
7/8/2016		<0.0002 (*)				
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002		
9/7/2016					<0.0002	
9/8/2016						<0.0002
11/7/2016	<0.0002		<0.0002	<0.0002		
11/8/2016					<0.0002	<0.0002
11/10/2016		<0.0002				
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)		
1/10/2017					<0.0002	<0.0002
1/11/2017		<0.0002				
3/13/2017	<0.0002		<0.0002	<0.0002		
3/14/2017		<0.0002 (*)				
3/15/2017					<0.0002	
3/16/2017						<0.0002
5/15/2017	<0.0002		<0.0002	<0.0002		<0.0002
5/16/2017					<0.0002	
5/18/2017		<0.0002				
3/12/2018	<0.0002		<0.0002	<0.0002		
3/13/2018					<0.0002	<0.0002
3/14/2018		9.3E-05 (J)				
6/5/2018	<0.0002		<0.0002	<0.0002		
6/6/2018					<0.0002	
6/7/2018						<0.0002
6/10/2018		<0.0002				
10/16/2018	<0.0002		<0.0002	<0.0002		
10/17/2018						<0.0002
10/18/2018		<0.0002			<0.0002	
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002		
2/28/2019					<0.0002	<0.0002
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002		
11/11/2019					<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002		
4/18/2020					<0.0002	<0.0002
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)		
10/8/2020						<0.0002
10/9/2020					<0.0002	
3/29/2021	<0.0002	<0.0002	<0.0002	<0.0002		
3/31/2021					0.00019	
4/1/2021						<0.0002
9/2/2021	<0.0002	<0.0002	<0.0002	<0.0002		
9/7/2021					<0.0002	<0.0002
3/22/2022	<0.0002	<0.0002	<0.0002	<0.0002		
3/24/2022					<0.0002	<0.0002
9/7/2022	<0.0002	<0.0002	<0.0002			

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0002		
9/12/2022					<0.0002	<0.0002
4/6/2023	<0.0002	<0.0002	<0.0002	<0.0002		
4/10/2023					<0.0002	
4/11/2023						<0.0002

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0002	<0.0002	
3/3/2016	8.6E-05 (J)	<0.0002			<0.0002
5/2/2016				<0.0002	
5/3/2016			<0.0002		
5/4/2016	0.00026	<0.0002			<0.0002
7/5/2016			<0.0002	<0.0002	
7/6/2016	0.0012				<0.0002 (*)
7/7/2016		<0.0002			
9/6/2016			<0.0002 (*)	<0.0002 (*)	
9/7/2016	<0.0002	<0.0002			<0.0002
11/7/2016		<0.0002	<0.0002	<0.0002	
11/8/2016	0.00065				<0.0002
1/9/2017			<0.0002 (*)	<0.0002 (*)	
1/10/2017	<0.0002	<0.0002			<0.0002
3/13/2017			<0.0002	<0.0002	
3/15/2017	<0.0002	<0.0002			
3/16/2017					<0.0002
5/15/2017			<0.0002	<0.0002	
5/16/2017	0.00042	<0.0002			<0.0002
3/12/2018			<0.0002	<0.0002	
3/13/2018	0.00039	<0.0002			<0.0002
6/6/2018			<0.0002	<0.0002	
6/7/2018	0.00033	<0.0002			<0.0002
10/17/2018	0.00041	<0.0002	<0.0002	<0.0002	<0.0002
2/27/2019			<0.0002	<0.0002	<0.0002
2/28/2019	0.00055	<0.0002			
5/31/2019	0.00054	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019			<0.0002	<0.0002	
11/11/2019	0.0011	<0.0002			<0.0002
4/16/2020			<0.0002	<0.0002	
4/18/2020	0.00082	<0.0002			<0.0002
10/7/2020			8E-05 (J)	<0.0002	
10/8/2020					8.7E-05 (J)
10/9/2020	0.00033	0.00014 (J)			
3/29/2021			<0.0002	<0.0002	
4/1/2021	0.00012	<0.0002			0.00042
9/2/2021			<0.0002	<0.0002	
9/7/2021	<0.0002	<0.0002			<0.0002
3/22/2022			<0.0002	<0.0002	
3/24/2022	<0.0002	0.0018			<0.0002
9/8/2022			<0.0002	<0.0002	
9/12/2022	0.00016 (J)				<0.0002
9/16/2022		0.0025			
4/6/2023				<0.0002	
4/7/2023			<0.0002		
4/10/2023	<0.0002	0.00046			
4/11/2023					<0.0002

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.015	<0.015	<0.015	<0.015		
3/3/2016					<0.015	0.99
5/2/2016	<0.015		<0.015	<0.015		
5/4/2016		<0.015			<0.015	0.99
7/5/2016	<0.015		<0.015	<0.015		
7/6/2016						1.9
7/7/2016					<0.015	
7/8/2016		<0.015				
9/6/2016	<0.015	<0.015	<0.015	<0.015		
9/7/2016					<0.015	
9/8/2016						2.4
11/7/2016	<0.015		<0.015	<0.015		
11/8/2016					<0.015	2.2
11/10/2016		<0.015				
1/9/2017	<0.015		<0.015	<0.015		
1/10/2017					<0.015	2.1
1/11/2017		<0.015				
3/13/2017	0.0042 (J)		<0.015	0.0022 (J)		
3/14/2017		<0.015				
3/15/2017					<0.015	
3/16/2017						1.6
5/15/2017	<0.015		<0.015	<0.015		1.2
5/16/2017					<0.015	
5/18/2017		<0.015				
3/12/2018	<0.015		<0.015	<0.015		
3/13/2018					<0.015	1
3/14/2018		<0.015				
6/5/2018	<0.015		0.00088 (J)	<0.015		
6/6/2018					<0.015	
6/7/2018						1.1
6/10/2018		<0.015				
10/16/2018	<0.015		<0.015	<0.015		
10/17/2018						1.1
10/18/2018		<0.015			<0.015	
2/27/2019	<0.015	<0.015	<0.015	<0.015		
2/28/2019					<0.015	0.77
5/31/2019	<0.015	<0.015	<0.015	<0.015	<0.015	0.64
11/6/2019	<0.015	<0.015	<0.015	<0.015		
11/11/2019					<0.015	0.85
4/16/2020	<0.015	<0.015	<0.015	<0.015		
4/18/2020					<0.015	0.81
10/7/2020	<0.015	<0.015	<0.015	<0.015		
10/8/2020						0.5
10/9/2020					<0.015	
3/29/2021	<0.015	<0.015	<0.015	<0.015		
3/31/2021					<0.015	
4/1/2021						0.49
9/2/2021	<0.015	<0.015	<0.015	<0.015		
9/7/2021					<0.015	0.44
3/22/2022	0.00066 (J)	0.00064 (J)	<0.015	<0.015		
3/24/2022					<0.015	0.53
9/7/2022	<0.015	<0.015	<0.015			

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.015		
9/12/2022					<0.015	0.44
4/6/2023	<0.015	<0.015	<0.015	<0.015		
4/10/2023					<0.015	
4/11/2023						0.34

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.015	<0.015	
3/3/2016	<0.015	<0.015			<0.015
5/2/2016				<0.015	
5/3/2016			<0.015		
5/4/2016	<0.015	<0.015			<0.015
7/5/2016			<0.015	<0.015	
7/6/2016	0.0018 (J)				<0.015
7/7/2016		<0.015			
9/6/2016			<0.015	<0.015	
9/7/2016	0.0029 (J)	<0.015			<0.015
11/7/2016		<0.015	<0.015	<0.015	
11/8/2016	<0.015				<0.015
1/9/2017			<0.015	<0.015	
1/10/2017	<0.015 (*)	<0.015			<0.015
3/13/2017			<0.015	<0.015	
3/15/2017	<0.015	<0.015			
3/16/2017					<0.015
5/15/2017			<0.015	<0.015	
5/16/2017	<0.015 (*)	<0.015 (*)			<0.015
3/12/2018			<0.015	<0.015	
3/13/2018	0.0033 (J)	<0.015			<0.015
6/6/2018			<0.015	<0.015	
6/7/2018	0.0065 (J)	0.0016 (J)			0.00098 (J)
10/17/2018	0.0043 (J)	<0.015	<0.015	<0.015	<0.015
2/27/2019			<0.015	<0.015	<0.015
2/28/2019	0.0028 (J)	<0.015			
5/31/2019	<0.015	<0.015	<0.015	<0.015	<0.015
11/6/2019			<0.015	<0.015	
11/11/2019	0.0056 (J)	<0.015			<0.015
4/16/2020			<0.015	<0.015	
4/18/2020	<0.015	<0.015			<0.015
10/7/2020			<0.015	<0.015	
10/8/2020					<0.015
10/9/2020	<0.015	<0.015			
3/29/2021			<0.015	<0.015	
4/1/2021	<0.015	<0.015			<0.015
9/2/2021			<0.015	<0.015	
9/7/2021	<0.015	<0.015			<0.015
3/22/2022			0.0011 (J)	0.00031 (J)	
3/24/2022	<0.015	0.00033 (J)			0.002 (J)
9/8/2022			<0.015	<0.015	
9/12/2022	<0.015				0.0022 (J)
9/16/2022		<0.015			
4/6/2023				<0.015	
4/7/2023			<0.015		
4/10/2023	<0.015	<0.015			
4/11/2023					0.0037 (J)

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013		
3/3/2016					<0.0013	0.008
5/2/2016	<0.0013		<0.0013	0.00025 (J)		
5/4/2016		<0.0013			<0.0013	0.0068
7/5/2016	<0.0013		<0.0013	<0.0013		
7/6/2016						0.0061
7/7/2016					<0.0013	
7/8/2016		<0.0013				
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)		
9/7/2016					<0.0013	
9/8/2016						0.0065
11/7/2016	<0.0013		<0.0013	<0.0013		
11/8/2016					<0.0013	0.0046
11/10/2016		<0.0013				
1/9/2017	<0.0013		<0.0013	<0.0013		
1/10/2017					<0.0013	0.0045
1/11/2017		0.00049 (J)				
3/13/2017	0.0023		<0.0013	0.0025		
3/14/2017		<0.0013				
3/15/2017					<0.0013	
3/16/2017						0.0079
5/15/2017	<0.0013		<0.0013	<0.0013		0.0064
5/16/2017					<0.0013	
5/18/2017		<0.0013				
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)		
3/13/2018					<0.0013	0.0037
3/14/2018		0.00067 (J)				
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)		
6/6/2018					<0.0013	
6/7/2018						0.0054
6/10/2018		0.00028 (J)				
10/16/2018	<0.0013		<0.0013	<0.0013		
10/17/2018						0.0026
10/18/2018		<0.0013			<0.0013	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013		
2/28/2019					<0.0013	0.002
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0041
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034		
11/11/2019					<0.0013	0.0031
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004		
4/18/2020					<0.0013	0.0035
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013		
10/8/2020						0.0014
10/9/2020					<0.0013	
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013		
3/31/2021					<0.0013	
4/1/2021						0.004
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013		
9/7/2021					<0.0013	0.0046
3/22/2022	<0.0013	<0.0013	<0.0013	0.00051		
3/24/2022					<0.0013	0.0042
9/7/2022	<0.0013	<0.0013	<0.0013			

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0013		
9/12/2022					0.0045	0.011
4/6/2023	0.00084 (J)	<0.0013	<0.0013	0.001 (J)		
4/10/2023					0.00087 (J)	
4/11/2023						0.0053

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0013	<0.0013	
3/3/2016	0.0041 (J)	<0.0013			0.0051 (J)
5/2/2016				<0.0013	
5/3/2016			<0.0013		
5/4/2016	0.008	<0.0013			0.0049
7/5/2016			<0.0013	<0.0013	
7/6/2016	0.0056				0.0066
7/7/2016		<0.0013			
9/6/2016			<0.0013	<0.0013	
9/7/2016	0.0045	<0.0013			0.0073
11/7/2016		<0.0013	<0.0013	<0.0013	
11/8/2016	0.0055				0.0058
1/9/2017			<0.0013	<0.0013	
1/10/2017	0.0056	<0.0013			0.0058
3/13/2017			<0.0013	<0.0013	
3/15/2017	0.0088	<0.0013			
3/16/2017					0.006
5/15/2017			<0.0013	<0.0013	
5/16/2017	0.0029	<0.0013			0.0058
3/12/2018			0.00026 (J)	<0.0013	
3/13/2018	0.0065	<0.0013			0.0048
6/6/2018			0.00025 (J)	0.00026 (J)	
6/7/2018	0.0047	<0.0013			0.0061
10/17/2018	0.05 (o)	<0.0013	<0.0013	<0.0013	0.0023
2/27/2019			<0.0013	<0.0013	0.0033
2/28/2019	0.0011 (J)	<0.0013			
5/31/2019	0.0045	<0.0013	<0.0013	<0.0013	0.0031
11/6/2019			<0.0013	<0.0013	
11/11/2019	0.0067	0.00027			0.002
4/16/2020			<0.0013	<0.0013	
4/18/2020	0.0066	<0.0013			0.0021
10/7/2020			<0.0013	<0.0013	
10/8/2020					0.0047
10/9/2020	0.0057	<0.0013			
3/29/2021			<0.0013	<0.0013	
4/1/2021	0.0038	<0.0013			0.0027
9/2/2021			<0.0013	<0.0013	
9/7/2021	0.0069	<0.0013			0.0045
3/22/2022			<0.0013	<0.0013	
3/24/2022	0.0025	0.00077			0.0028
9/8/2022			<0.0013	0.0034	
9/12/2022	0.0075				0.012
9/16/2022		0.21			
4/6/2023				0.00087 (J)	
4/7/2023			0.0015		
4/10/2023	0.0021	0.02			
4/11/2023					0.0036

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<5	<5	<5	1.6 (J)		
3/3/2016					<5	180
5/2/2016	15 (o)		<5	2.1 (J)		
5/4/2016		<5			<5	200
7/5/2016	<5		<5	2 (J)		
7/6/2016						150
7/7/2016					<5	
7/8/2016		<5				
9/6/2016	<5	<5	<5	1.8 (J)		
9/7/2016					<5	
9/8/2016						160
11/7/2016	<5		<5	1.7 (J)		
11/8/2016					<5	230
11/10/2016		<5				
1/9/2017	<5		2.6 (J)	1.5 (J)		
1/10/2017					<5	190
1/11/2017		<5				
3/13/2017	2.5 (J)		<5	2.2 (J)		
3/14/2017		<5				
3/15/2017					<5 (*)	
3/16/2017						190
5/15/2017	<5		<5	1.9 (J)		190
5/16/2017					<5	
5/18/2017		<5 (X)				
10/2/2017	<5		<5	3.4 (J)		
10/3/2017					<5	130
10/5/2017		<5				
12/20/2017						85
3/12/2018	<5		<5	2.6 (J)		
3/13/2018					<5	160
3/14/2018		<5				
6/5/2018	<5		<5	2.6 (J)		
6/6/2018					<5	
6/7/2018						280
6/10/2018		1.5 (J)				
10/16/2018	<5		<5	2.8 (J)		
10/17/2018						250
10/18/2018		<5			<5	
2/27/2019	<5	1.9 (J)	<5	2.4 (J)		
2/28/2019					<5	140
5/31/2019	<5	<5	<5	3.3 (J)	<5	140
11/6/2019	<5	<5	<5	3.7 (J)		
11/11/2019					<5	230
4/16/2020	<5	<5	<5	1.7 (J)		
4/18/2020					<5	260
10/7/2020	<5	<5	<5	4 (J)		
10/8/2020						160
10/9/2020					<5	
3/29/2021	<5	<5	<5	2.3		
3/31/2021					18	
4/1/2021						320
9/2/2021	<5	<5	<5	4.7 (J)		

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					<5	120
3/22/2022	<5	<5	<5	4.5 (J)		
3/24/2022					<5	180
9/7/2022	1.7 (J)	1.5 (J)	1.4 (J)			
9/8/2022				5.5		
9/12/2022					<5	190
4/6/2023	<5	<5	<5	4.8 (J)		
4/10/2023					<5	
4/11/2023						180

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<5	<5	
3/3/2016	550	<5			230
5/2/2016				<5	
5/3/2016			<5		
5/4/2016	520	<5			280
7/5/2016			<5	<5	
7/6/2016	510				270
7/7/2016		<5			
9/6/2016			<5	3.7 (J)	
9/7/2016	340	<5			280
11/7/2016		<5	<5	<5	
11/8/2016	630				280
1/9/2017			<5	<5	
1/10/2017	580	<5			240
3/13/2017			<5	<5	
3/15/2017	250	<5 (*)			
3/16/2017					220
5/15/2017			<5	<5	
5/16/2017	410	<5			200
10/2/2017			1.5 (J)	1.7 (J)	
10/3/2017	440	<5			180
12/20/2017	400				170
3/12/2018			<5	<5	
3/13/2018	460	1.5 (J)			210
6/6/2018			<5	<5	
6/7/2018	420	<5			210
10/17/2018	320	<5	<5	<5	140
2/27/2019			<5	<5	150
2/28/2019	490	2.6 (J)			
5/31/2019	500	12	<5	<5	210
11/6/2019			<5	<5	
11/11/2019	340	5.5			170
4/16/2020			<5	<5	
4/18/2020	600	<5			120
10/7/2020			<5	<5	
10/8/2020					170
10/9/2020	300	<5			
3/29/2021			<5	<5	
4/1/2021	750	1.9			190
9/2/2021			<5	<5	
9/7/2021	530	<5			140
3/22/2022			<5	<5	
3/24/2022	680	18			1700
9/8/2022			<5	<5	
9/12/2022	450				140
9/16/2022		530			
4/6/2023				<5	
4/7/2023			<5		
4/10/2023	610	74			
4/11/2023					110

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	0.00023 (J)
5/2/2016	<0.0005		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0005	0.00021 (J)
7/5/2016	<0.0005		<0.0005	<0.0005		
7/6/2016						0.00016 (J)
7/7/2016					<0.0005	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0005	
9/8/2016						0.00015 (J)
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0005	0.00017 (J)
11/10/2016		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005		
1/10/2017					<0.0005	0.00018 (J)
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0005	
3/16/2017						0.00024 (J)
5/15/2017	<0.0005		<0.0005	<0.0005		0.00022 (J)
5/16/2017					<0.0005	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0005	0.00022 (J)
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0005	
6/7/2018						0.00022 (J)
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/17/2018						0.00019 (J)
10/18/2018		<0.0005			<0.0005	
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0005	0.00018 (J)
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005		
11/11/2019					<0.0005	0.00023 (J)
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005		
4/18/2020					<0.0005	0.00027
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005		
10/8/2020						0.00038 (J)
10/9/2020					<0.0005	
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005 (D)		
3/31/2021					<0.0005	
4/1/2021						0.00022
9/2/2021	0.00015 (J)	<0.0005	<0.0005	<0.0005		
9/7/2021					<0.0005	0.00015 (J)
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005		
3/24/2022					<0.0005	<0.0005
9/7/2022	<0.0005	<0.0005	<0.0005			

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0005		
9/12/2022					<0.0005	<0.0005
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2023					<0.0005	
4/11/2023						<0.0005

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	0.00015 (J)	<0.0005			0.00023 (J)
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	0.00021 (J)	<0.0005			0.00026 (J)
7/5/2016			<0.0005	<0.0005	
7/6/2016	0.00022 (J)				0.00032 (J)
7/7/2016		<0.0005			
9/6/2016			<0.0005	<0.0005	
9/7/2016	0.0001 (J)	<0.0005			0.00036 (J)
11/7/2016		<0.0005	<0.0005	<0.0005	
11/8/2016	0.00014 (J)				0.00032 (J)
1/9/2017			<0.0005	<0.0005	
1/10/2017	0.00018 (J)	<0.0005			0.00033 (J)
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005			
3/16/2017					0.00029 (J)
5/15/2017			<0.0005	<0.0005	
5/16/2017	9.5E-05 (J)	<0.0005			0.00027 (J)
3/12/2018			<0.0005	<0.0005	
3/13/2018	0.00017 (J)	<0.0005			0.00028 (J)
6/6/2018			<0.0005	<0.0005	
6/7/2018	0.00017 (J)	<0.0005			0.00026 (J)
10/17/2018	0.00011 (J)	<0.0005	<0.0005	<0.0005	0.00022 (J)
2/27/2019			<0.0005	<0.0005	0.00022 (J)
2/28/2019	0.00016 (J)	<0.0005			
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/6/2019			<0.0005	<0.0005	
11/11/2019	0.00029 (J)	<0.0005			0.00023 (J)
4/16/2020			<0.0005	<0.0005	
4/18/2020	0.00026	<0.0005			0.00016
10/7/2020			<0.0005	<0.0005	
10/8/2020					0.00031 (J)
10/9/2020	0.00015 (J)	<0.0005			
3/29/2021			<0.0005	<0.0005	
4/1/2021	<0.0005	<0.0005			0.00019
9/2/2021			<0.0005	<0.0005	
9/7/2021	0.00015 (J)	<0.0005			0.00016 (J)
3/22/2022			<0.0005	<0.0005	
3/24/2022	<0.0005	<0.0005			<0.0005
9/8/2022			<0.0005	<0.0005	
9/12/2022	<0.0005				<0.0005
9/16/2022		<0.0005			
4/6/2023				<0.0005	
4/7/2023			<0.0005		
4/10/2023	<0.0005	<0.0005			
4/11/2023					<0.0005

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	20	20	<5	12		
3/3/2016					18	420
5/2/2016	<5		<5	6		
5/4/2016		6			28	450
7/5/2016	12		14	<5		
7/6/2016						280
7/7/2016					<5	
7/8/2016		6				
9/6/2016	36	36	30	38		
9/7/2016					8	
9/8/2016						410
11/7/2016	18		8	<5		
11/8/2016					24	580
11/10/2016		16				
1/9/2017	4 (J)		<5	14		
1/10/2017					30	530
1/11/2017		38				
3/13/2017	6		<5	8		
3/14/2017		<5				
3/15/2017					32	
3/16/2017						650
5/15/2017	<5		<5	<5		500
5/16/2017					<5	
5/18/2017		10				
10/2/2017	<5		<5	6		
10/3/2017					34	310
10/5/2017		<5				
12/20/2017						150
3/12/2018	18		14	<5		
3/13/2018					26	450
3/14/2018		8				
6/5/2018	10		<5	14		
6/6/2018					64	
6/7/2018						620
6/10/2018		8				
10/16/2018	32		12	6		
10/17/2018						700
10/18/2018		28			12	
2/27/2019	110	68	54	110		
2/28/2019					20	330
5/31/2019	46	<5	8	26	36	300
11/6/2019	<5	10	4 (J)	<5		
11/11/2019					66	390
4/16/2020	28	44	18	8		
4/18/2020					62	520
10/7/2020	30	24	20	26		
10/8/2020						850
10/9/2020					52	
3/29/2021	38	26	12	28		
3/31/2021					48	
4/1/2021						600
9/2/2021	40	8	10	8		

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					54	360
3/22/2022	58	14	18	46		
3/24/2022					16	440
9/7/2022	36	14	22			
9/8/2022				44		
9/12/2022					22	460
4/6/2023	34	24	22	14		
4/10/2023					24	
4/11/2023						440

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/24/2023 11:39 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

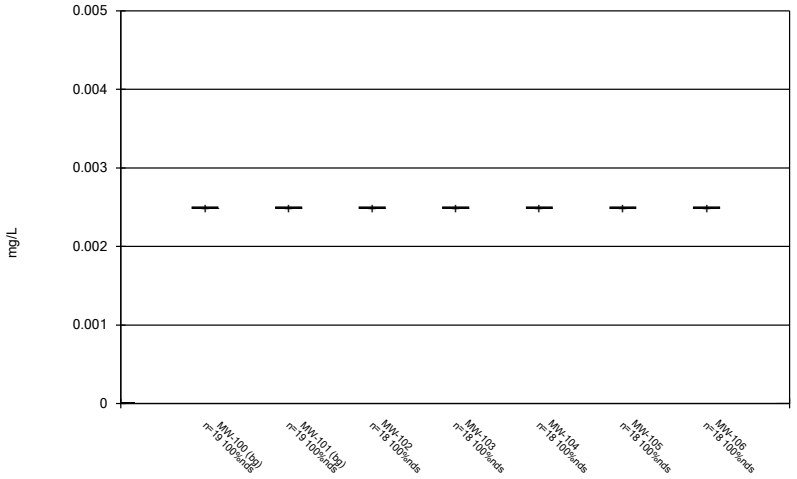
	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			10	<5	
3/3/2016	1100	18			490
5/2/2016				36	
5/3/2016			<5		
5/4/2016	1200	38			690
7/5/2016			<5	<5	
7/6/2016	870				500
7/7/2016		<5			
9/6/2016			36	44	
9/7/2016	650	14			590
11/7/2016		32	<5	30	
11/8/2016	1100				530
1/9/2017			<5	12	
1/10/2017	1300	32			510
3/13/2017			22	20	
3/15/2017	500	20			
3/16/2017					420
5/15/2017			6	4 (J)	
5/16/2017	850	18			430
10/2/2017			16	24	
10/3/2017	760	36			320
12/20/2017	830				410
3/12/2018			<5	<5	
3/13/2018	880	12			590
6/6/2018			20	16	
6/7/2018	670	<5			530
10/17/2018	770	68	44	44	390
2/27/2019			20	28	420
2/28/2019	880	28			
5/31/2019	1200	50	32	18	620
11/6/2019			24	20	
11/11/2019	370	38			410
4/16/2020			6	8	
4/18/2020	1000	36			280
10/7/2020			16	12	
10/8/2020					380
10/9/2020	580	42			
3/29/2021			42	40	
4/1/2021	1200	52			560
9/2/2021			10	<5	
9/7/2021	1000	24			450
3/22/2022			84	22	
3/24/2022	1400	62			470
9/8/2022			24	48	
9/12/2022	930				370
9/16/2022		770			
4/6/2023				16	
4/7/2023			24		
4/10/2023	1400	150			
4/11/2023					480

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

Box Plots - 100, 200 & 300 Series

100 Series

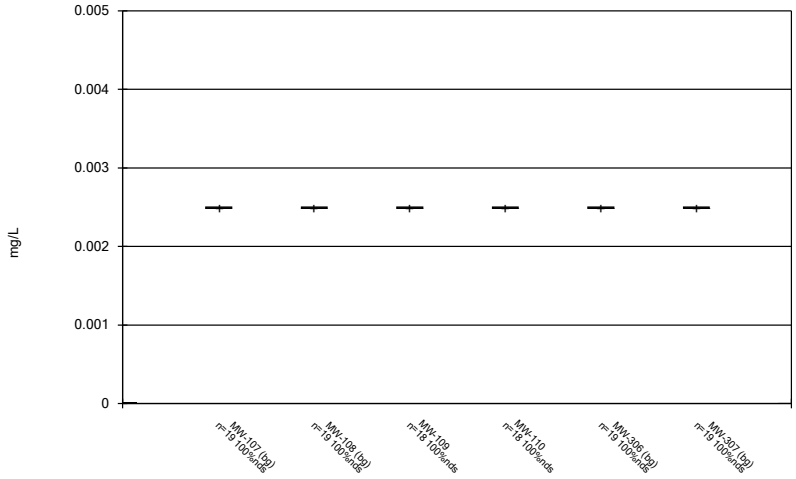
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

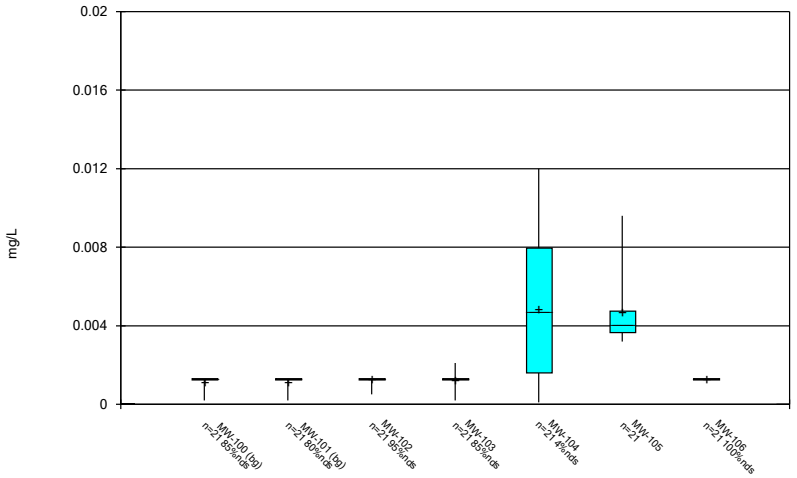
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

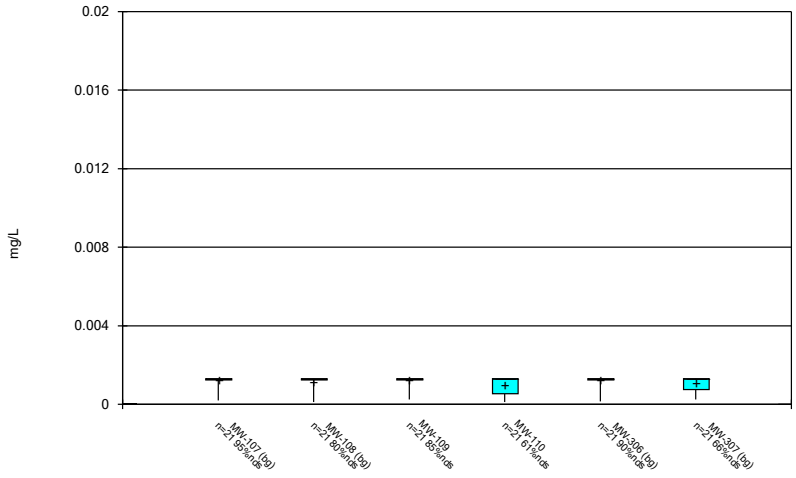
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

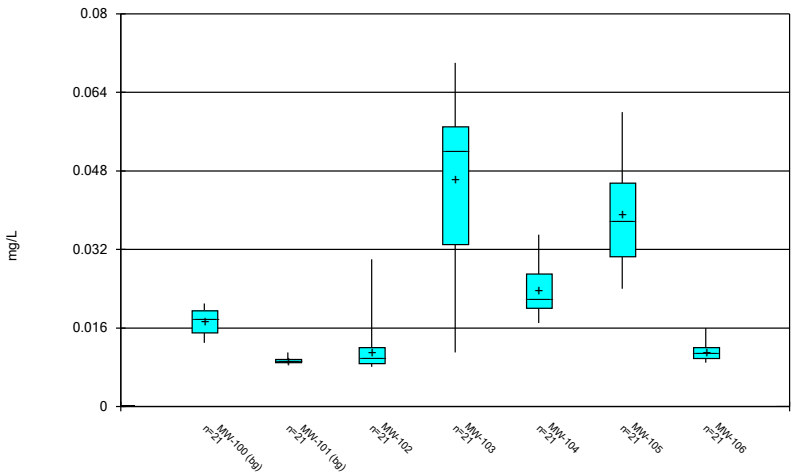
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

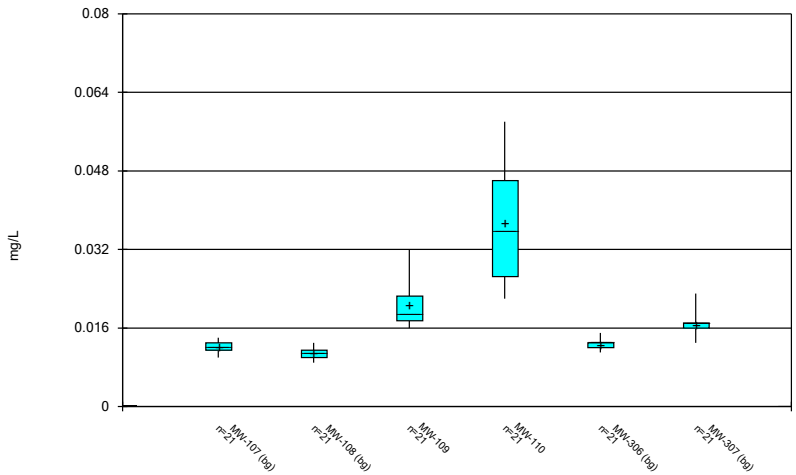
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

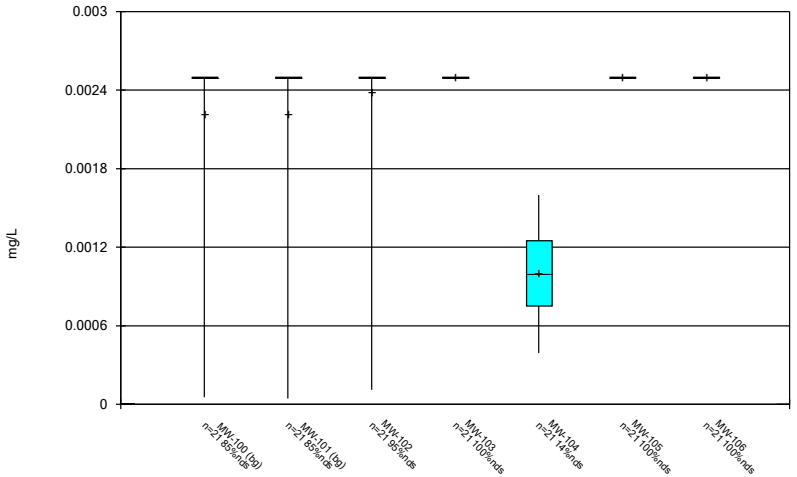
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

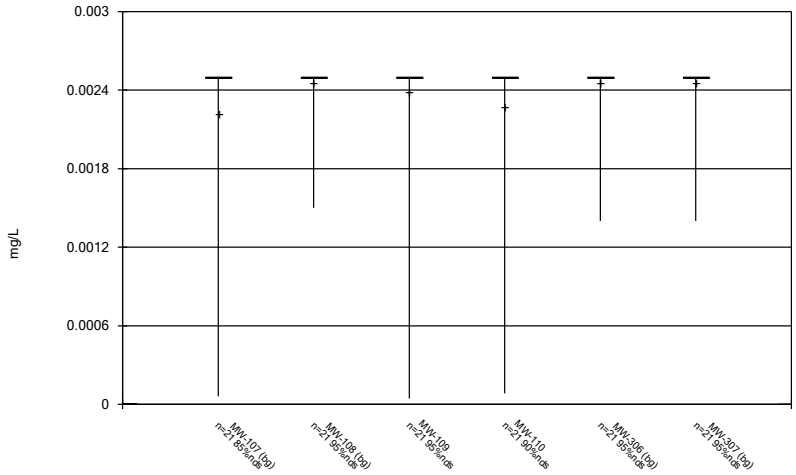
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

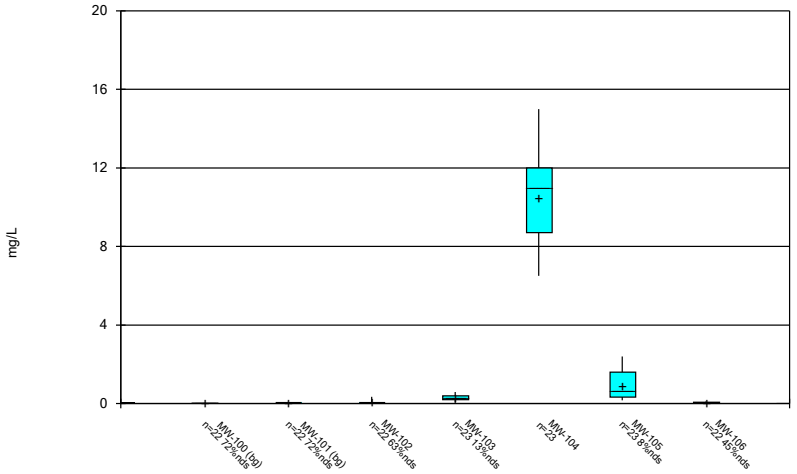
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Box & Whiskers Plot



Constituent: Boron Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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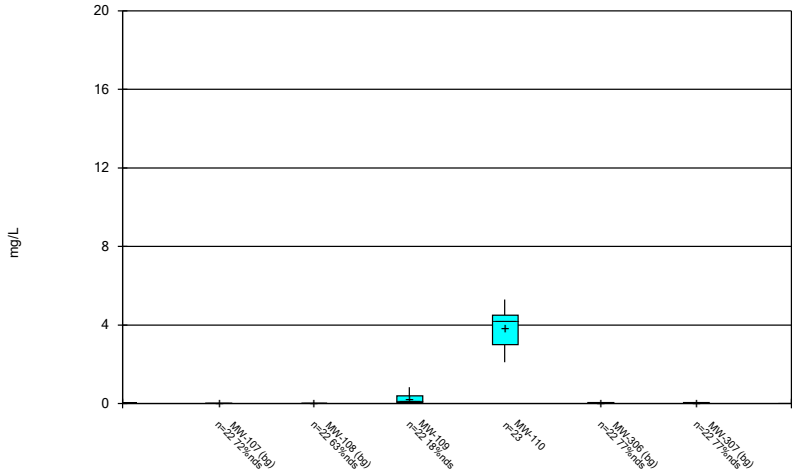
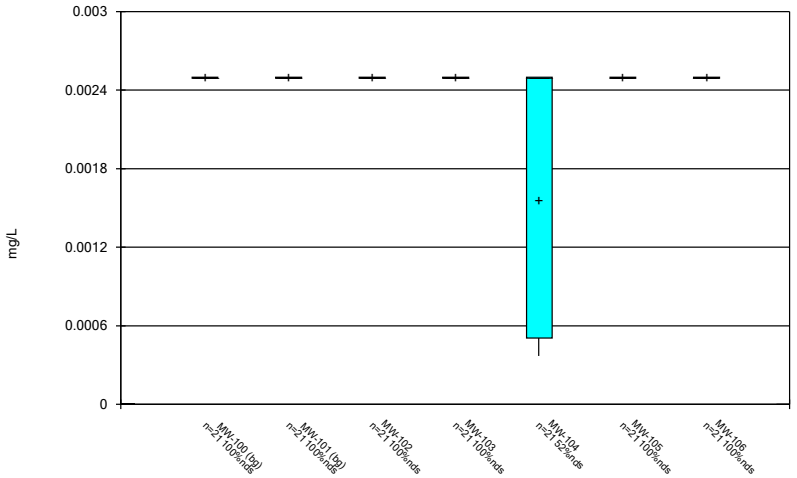
Box & Whiskers Plot



Constituent: Boron Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

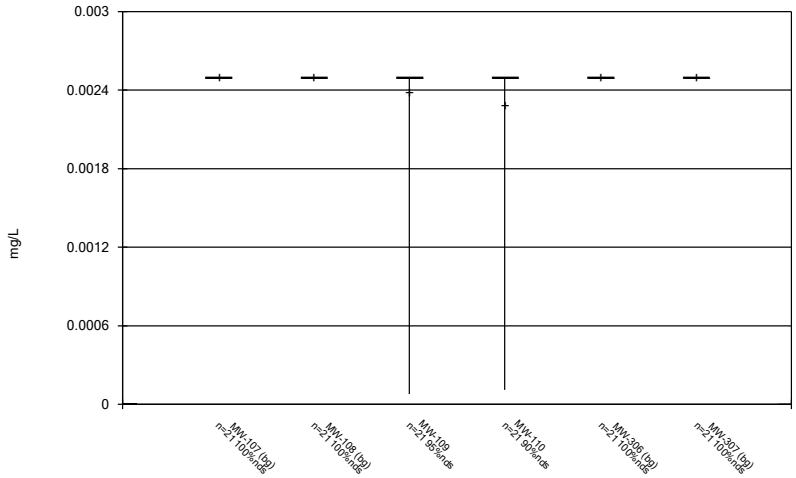
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

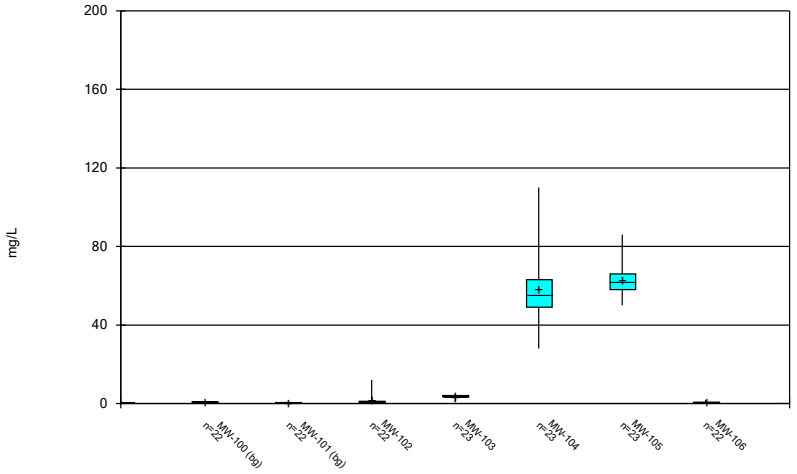
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

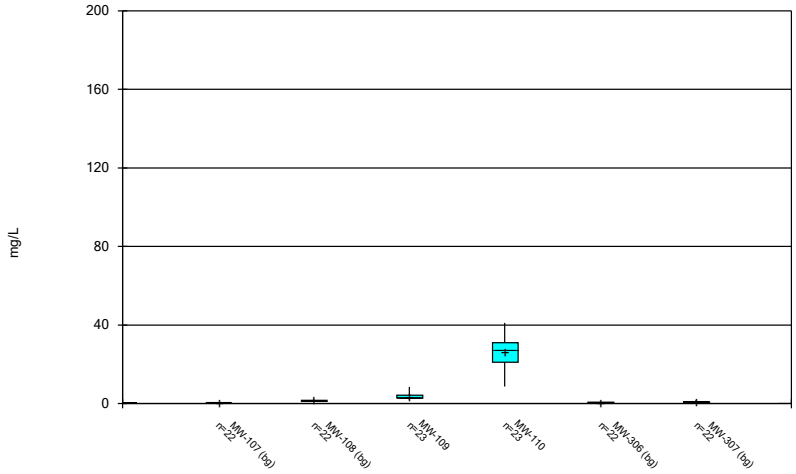
Box & Whiskers Plot



Constituent: Calcium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

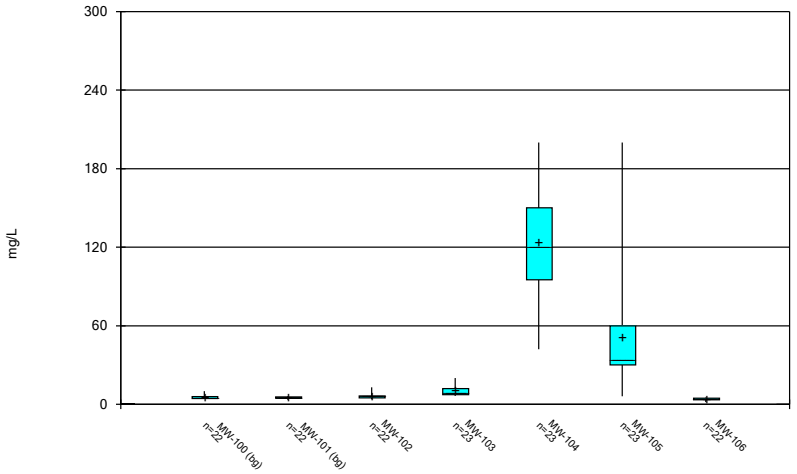
Box & Whiskers Plot



Constituent: Calcium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

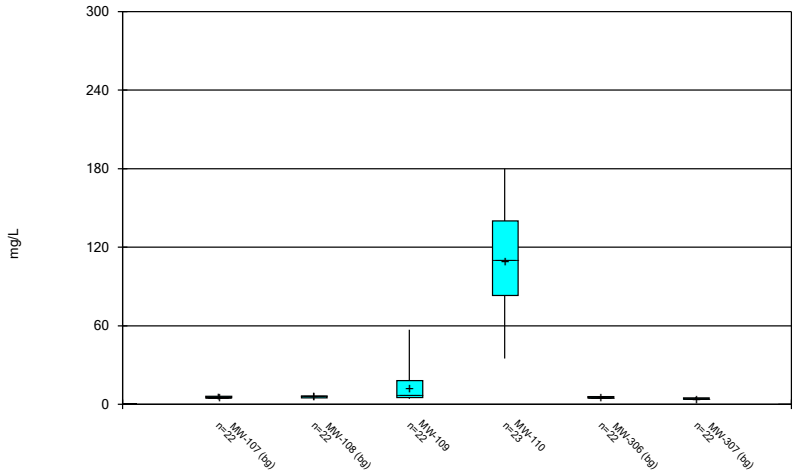
Box & Whiskers Plot



Constituent: Chloride Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

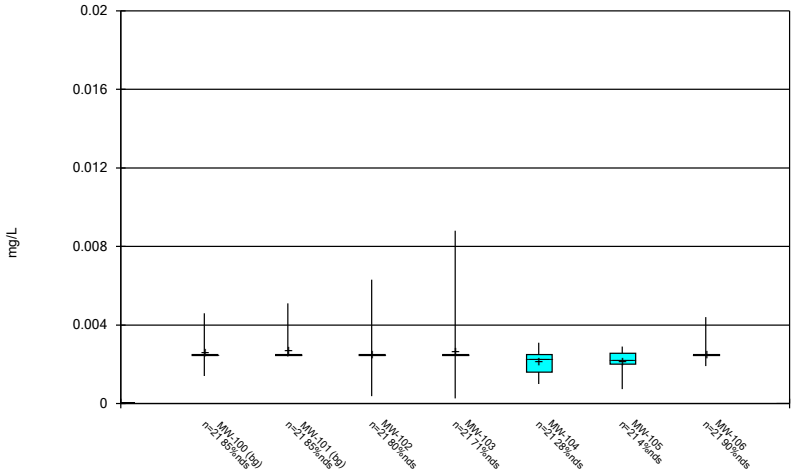
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

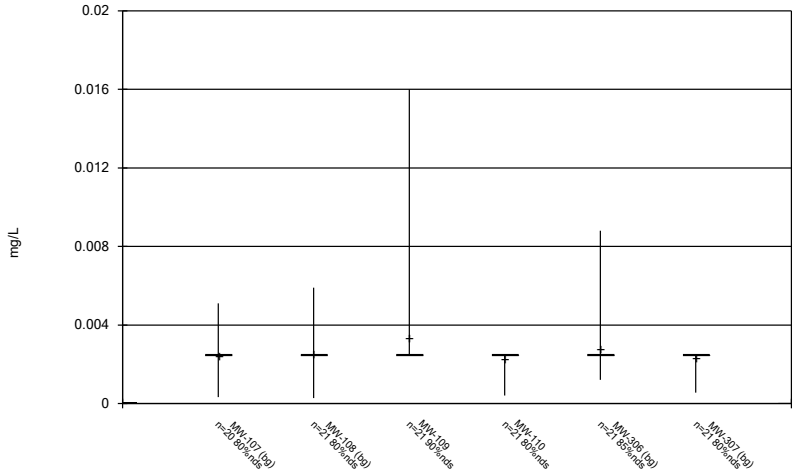
Box & Whiskers Plot



Constituent: Chromium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

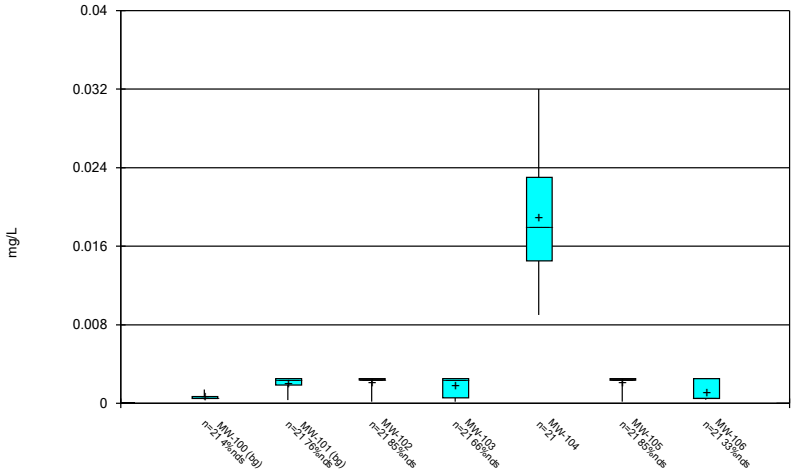
Box & Whiskers Plot



Constituent: Chromium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

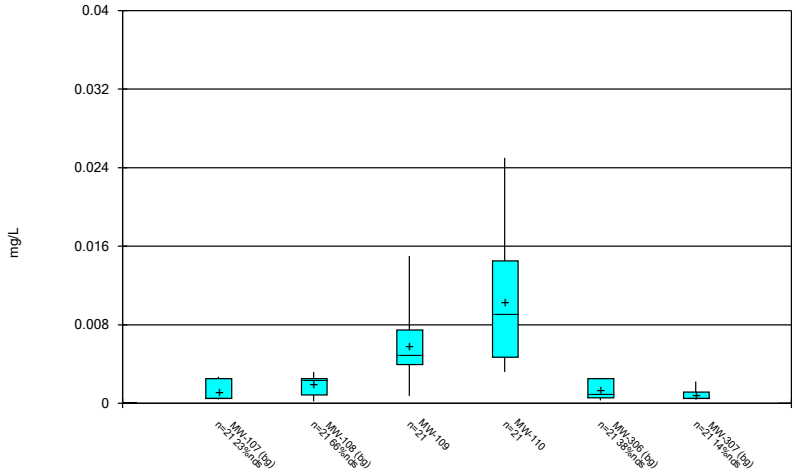
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

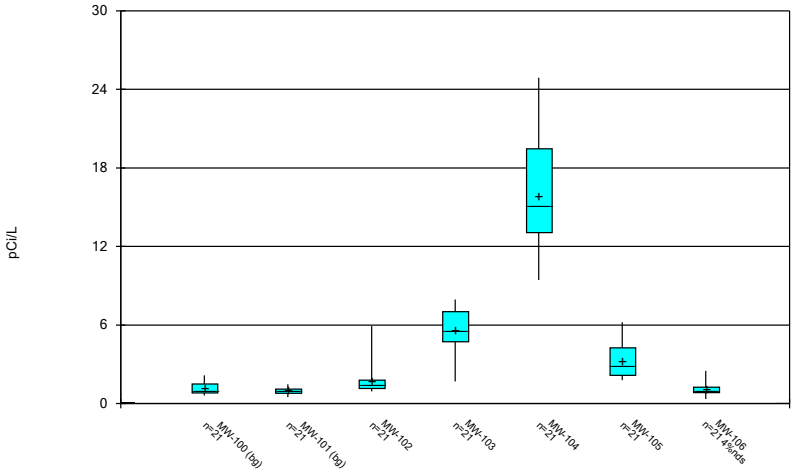
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

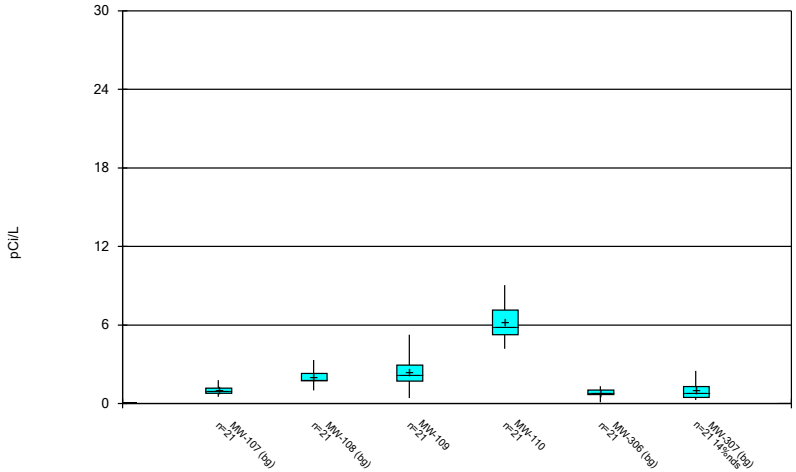
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

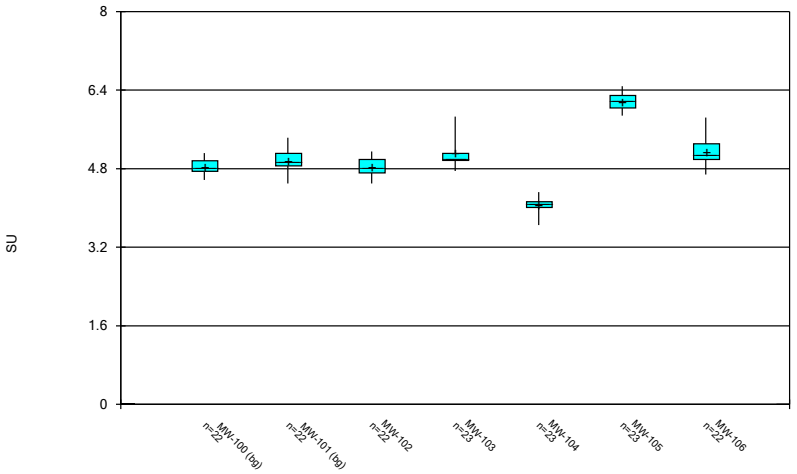
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

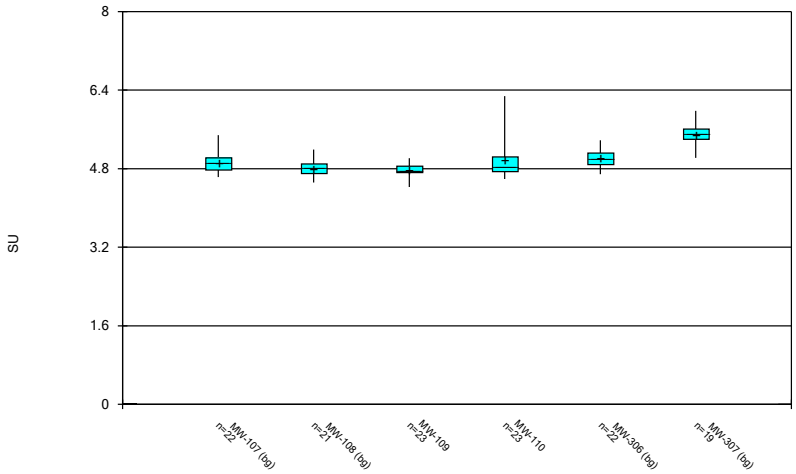
Box & Whiskers Plot



Constituent: Field pH Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

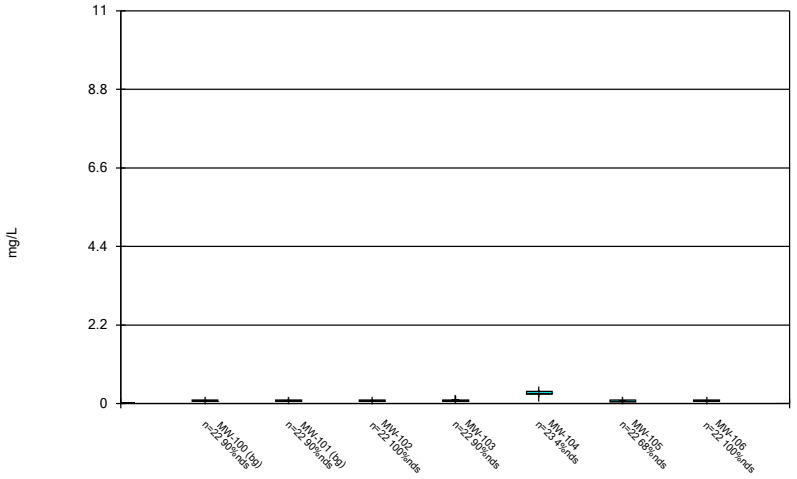
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

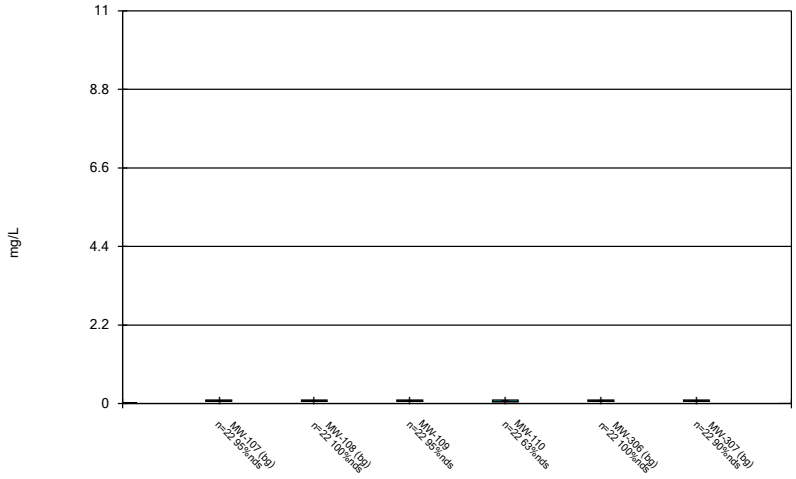
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

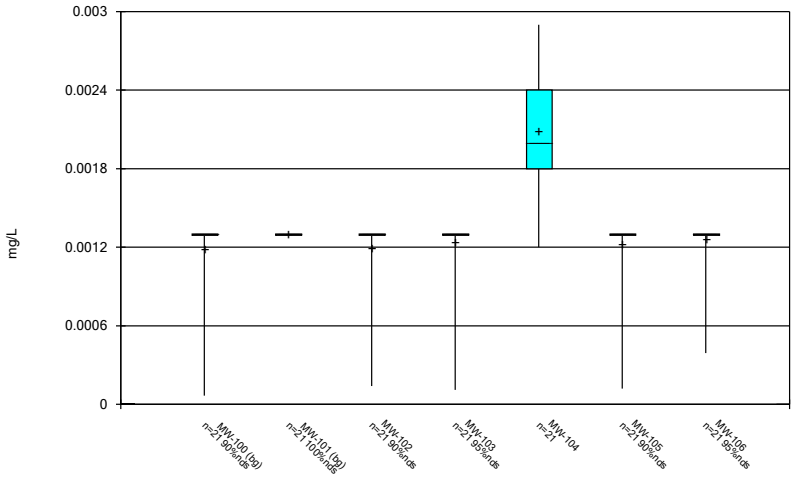
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

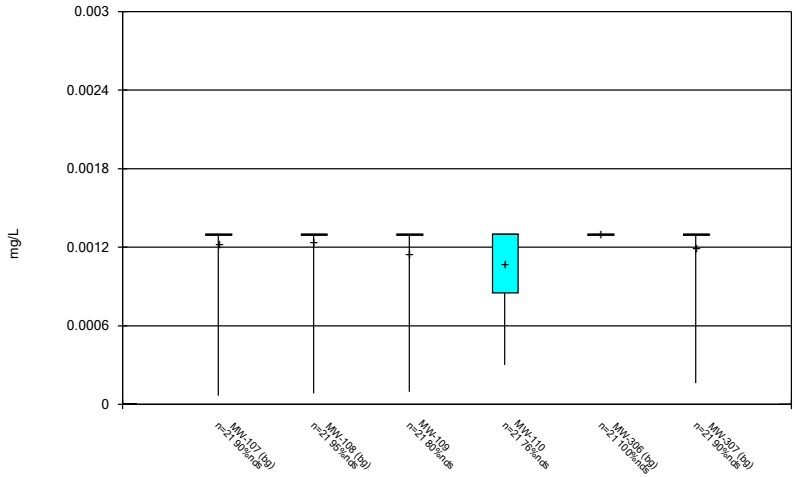
Box & Whiskers Plot



Constituent: Lead Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

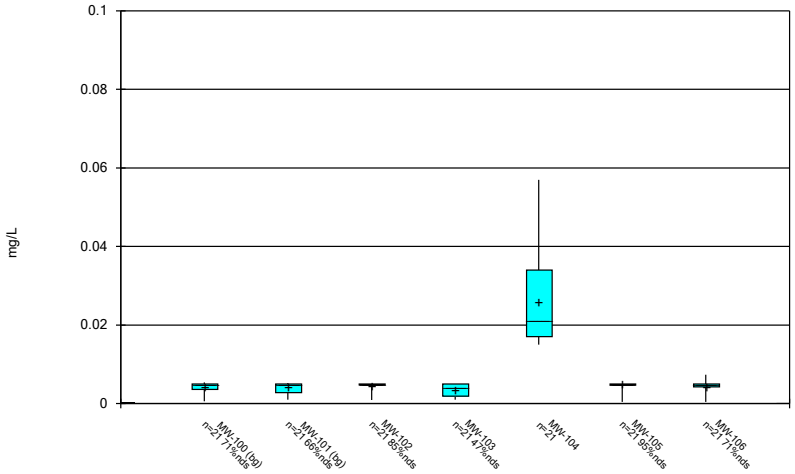
Box & Whiskers Plot



Constituent: Lead Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

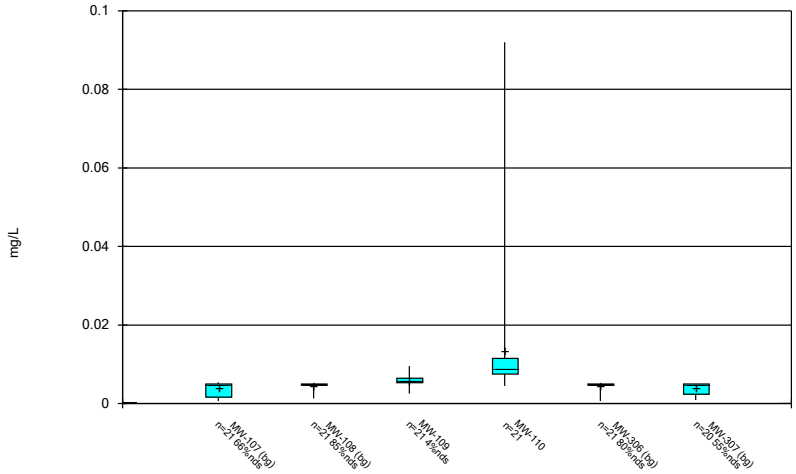
Box & Whiskers Plot



Constituent: Lithium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

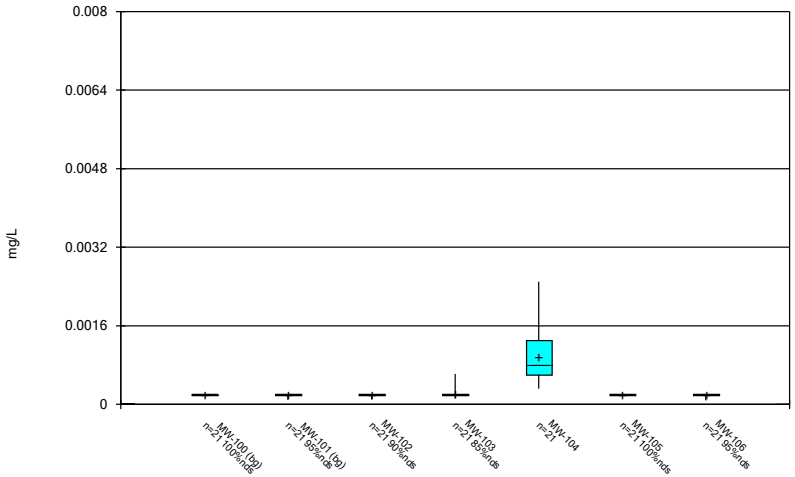
Box & Whiskers Plot



Constituent: Lithium Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

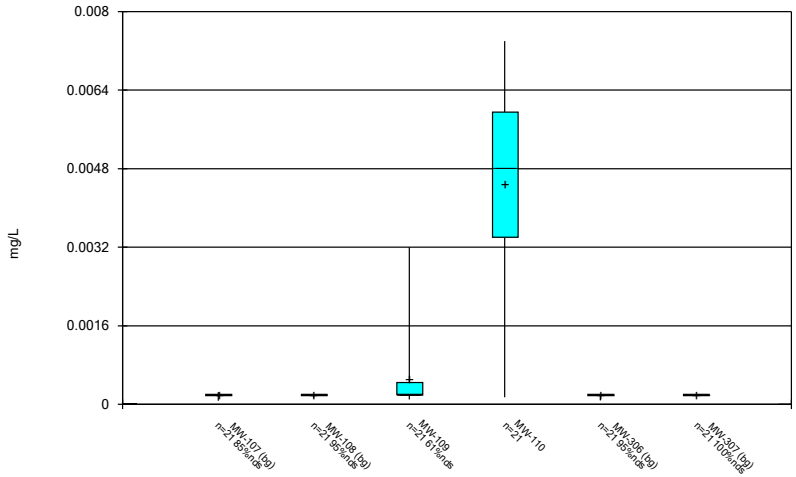
Box & Whiskers Plot



Constituent: Mercury Analysis Run 8/24/2023 1:55 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

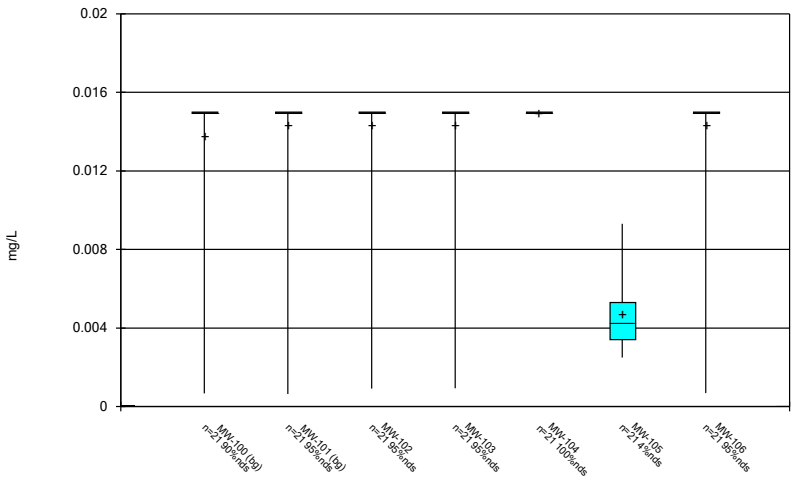
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

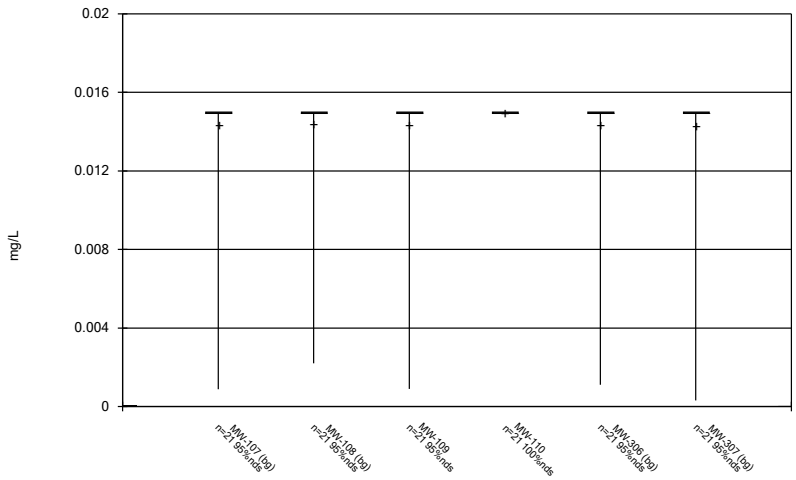
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

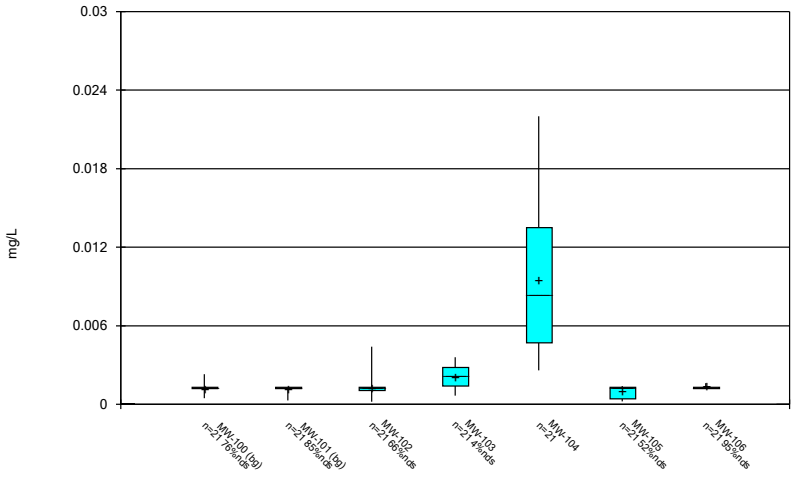
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

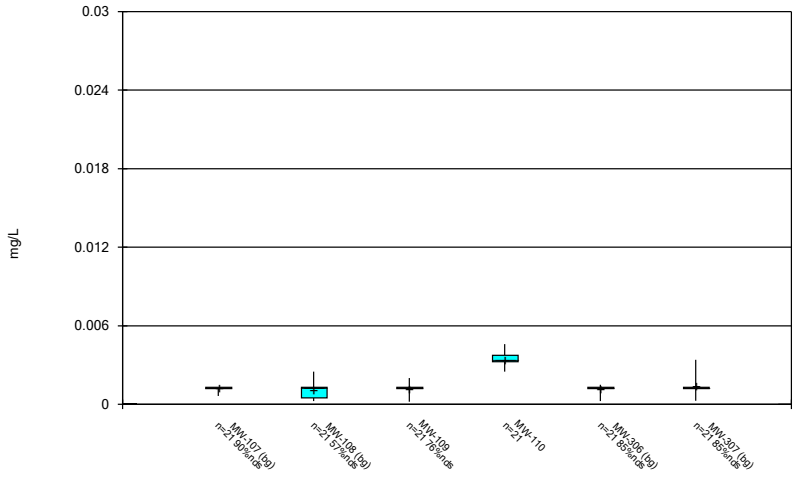
Box & Whiskers Plot



Constituent: Selenium Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

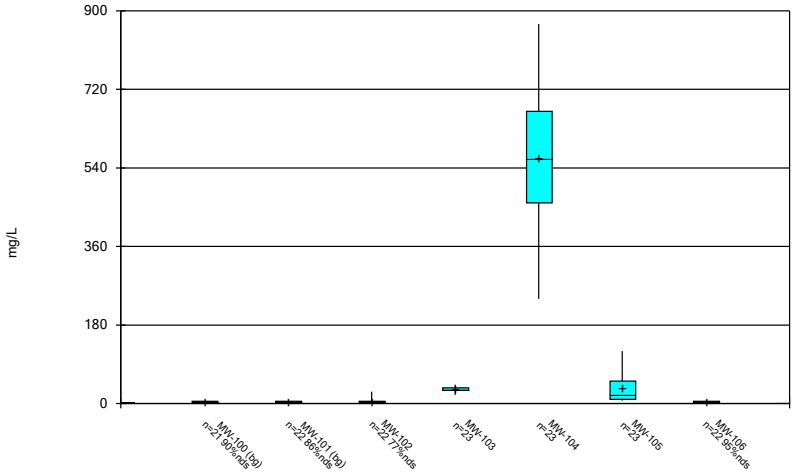
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

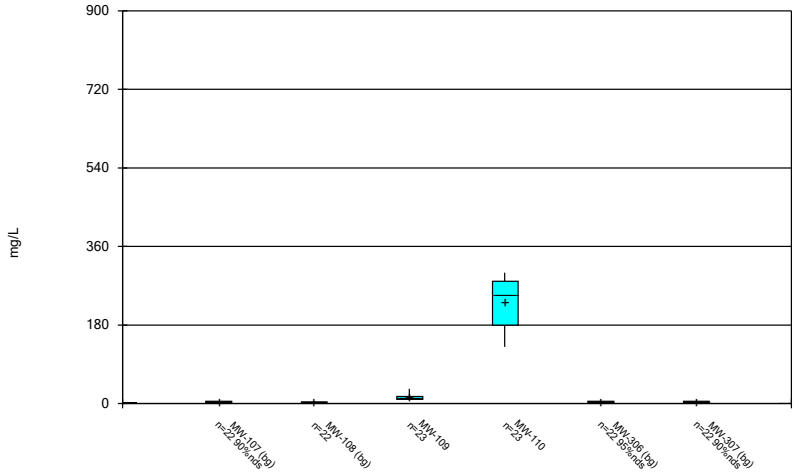
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

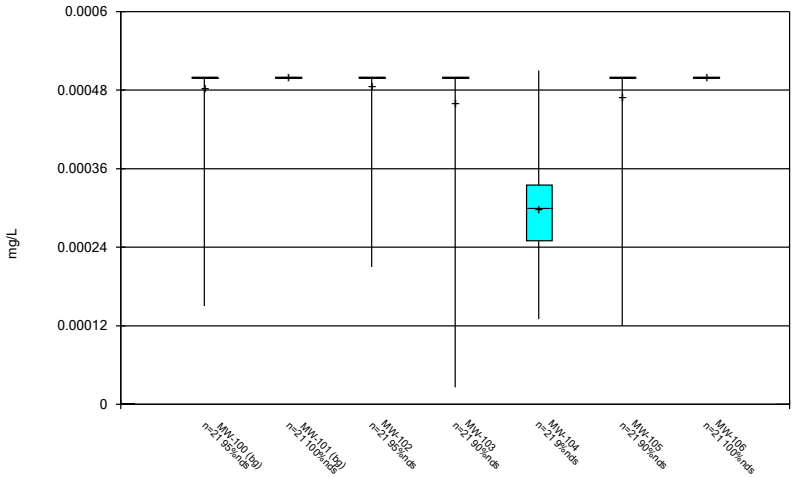
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

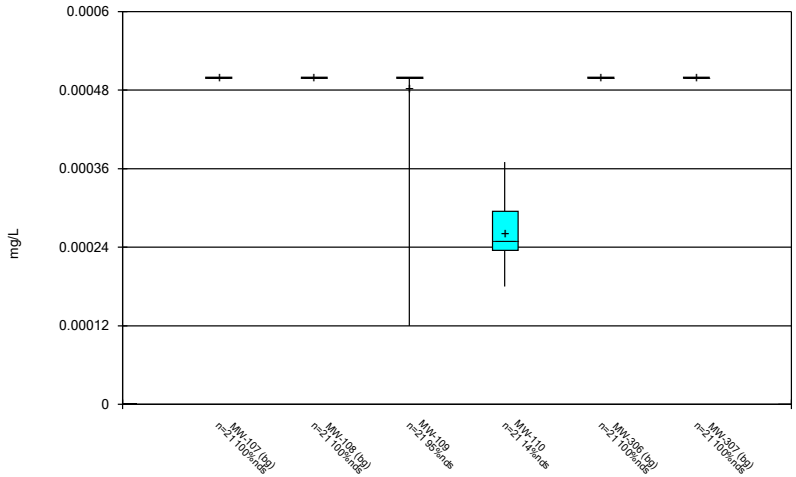
Box & Whiskers Plot



Constituent: Thallium Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

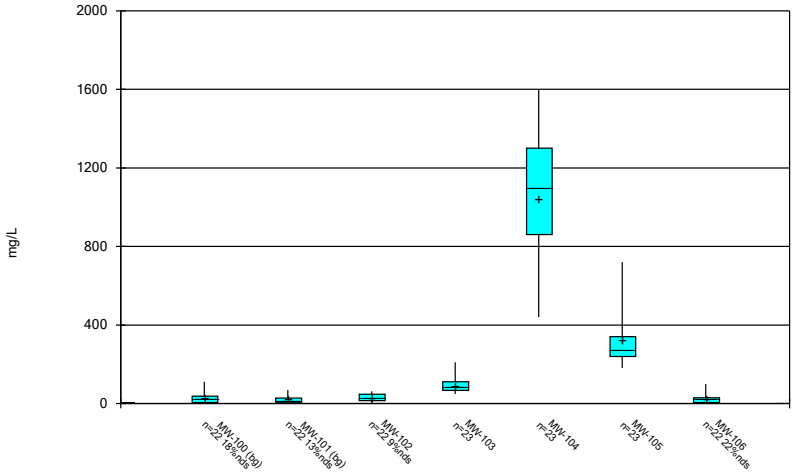
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

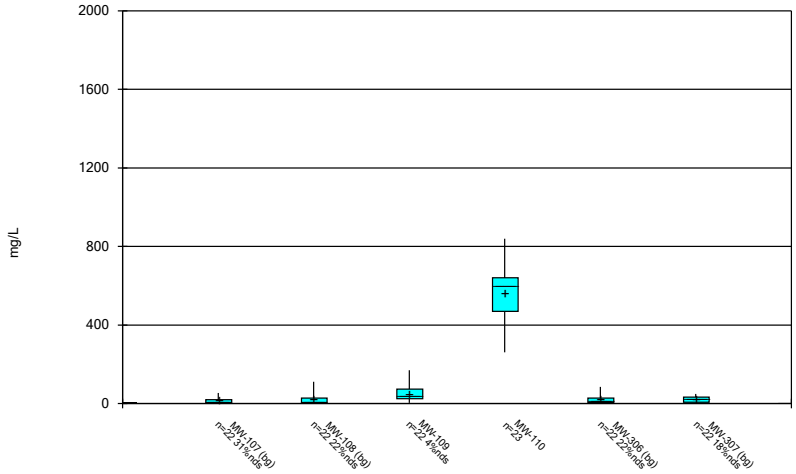
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot

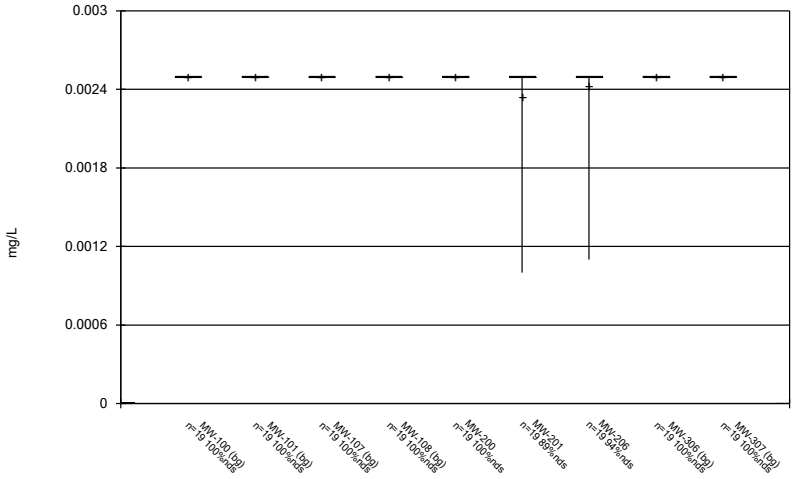


Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:56 PM View: 100 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

200 Series

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

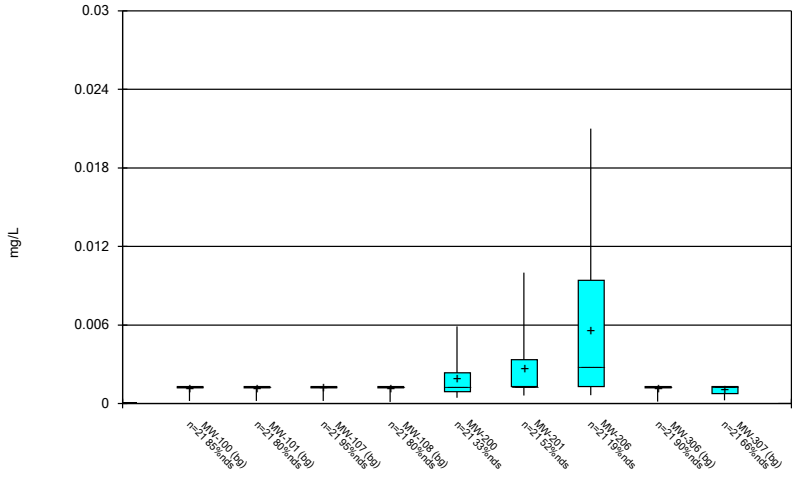
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

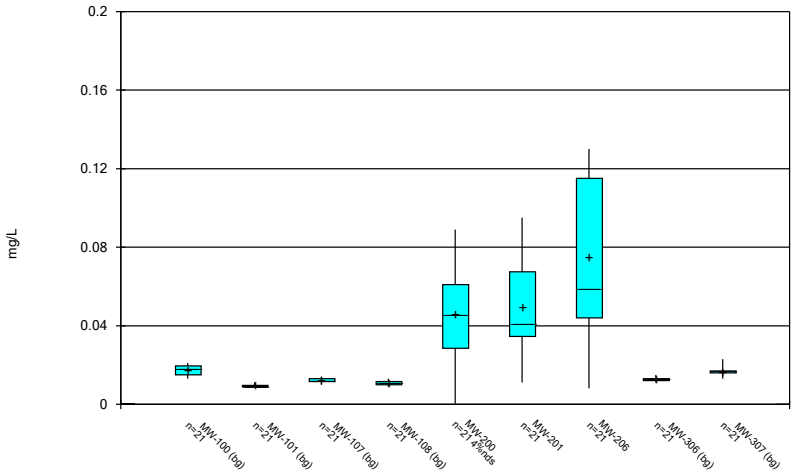
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

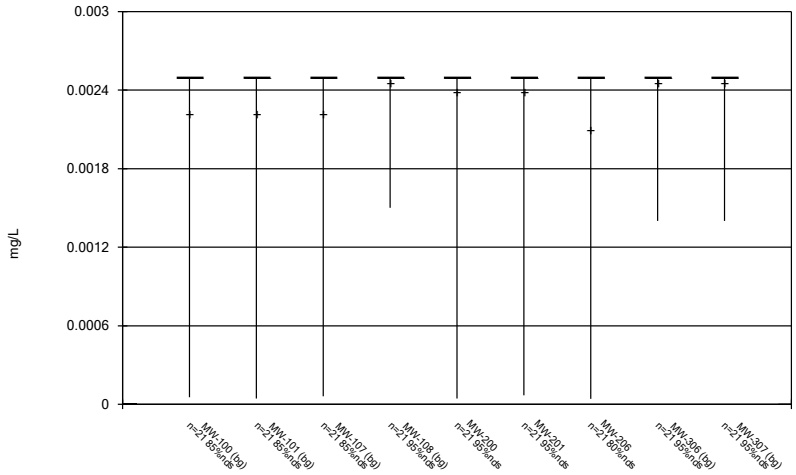
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

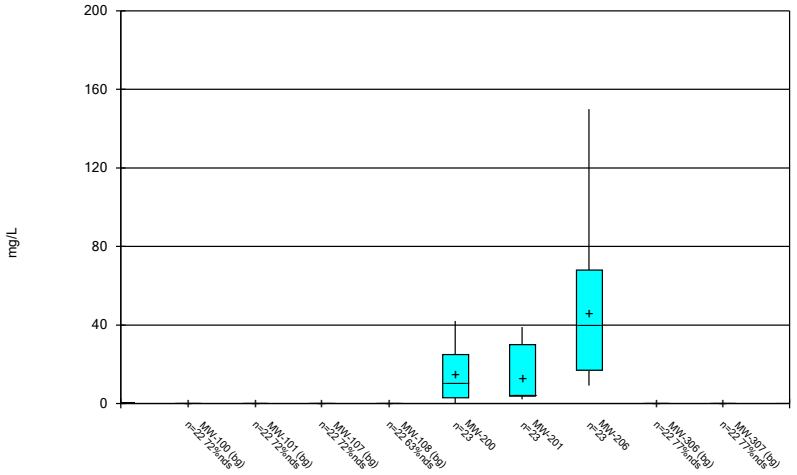
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

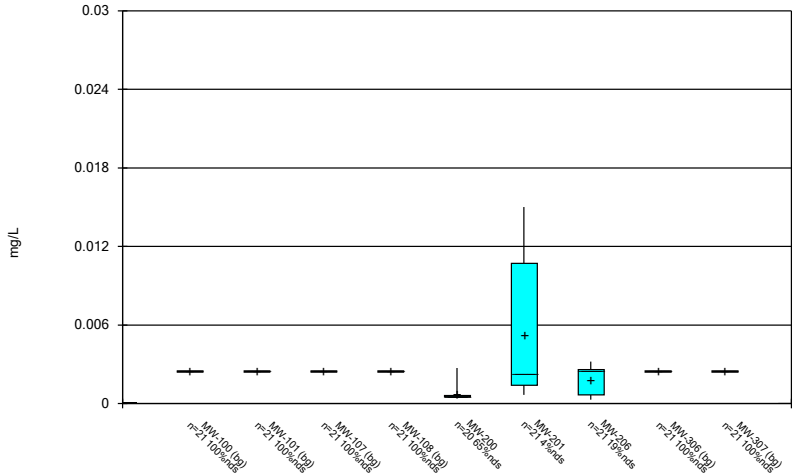
Box & Whiskers Plot



Constituent: Boron Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

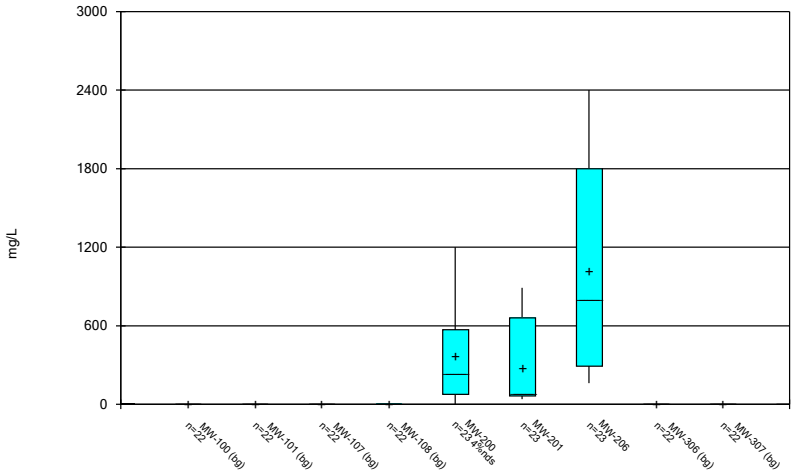
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

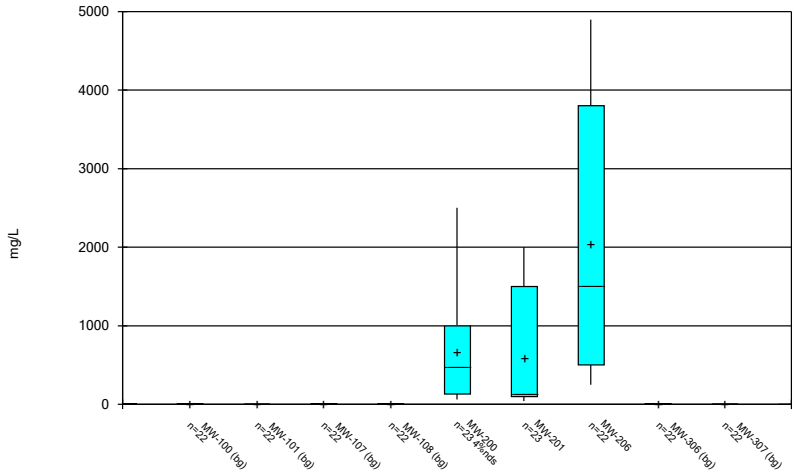
Box & Whiskers Plot



Constituent: Calcium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

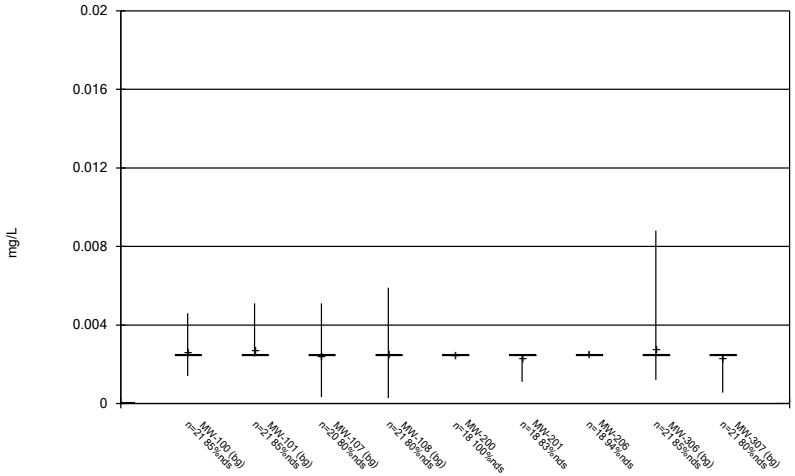
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

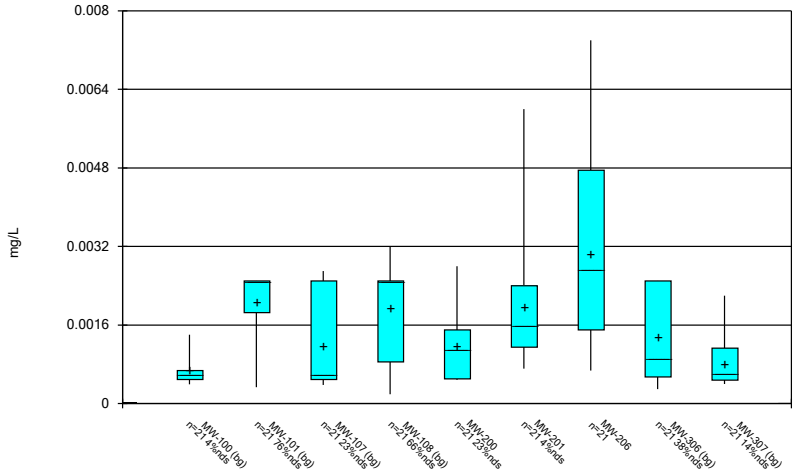
Box & Whiskers Plot



Constituent: Chromium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

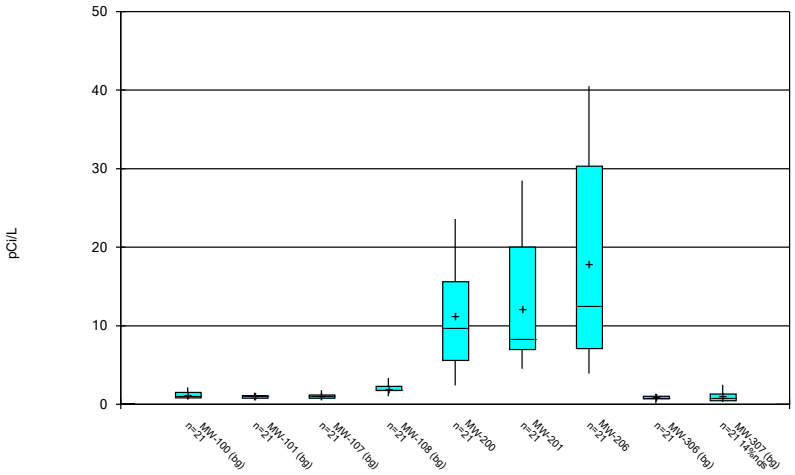
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

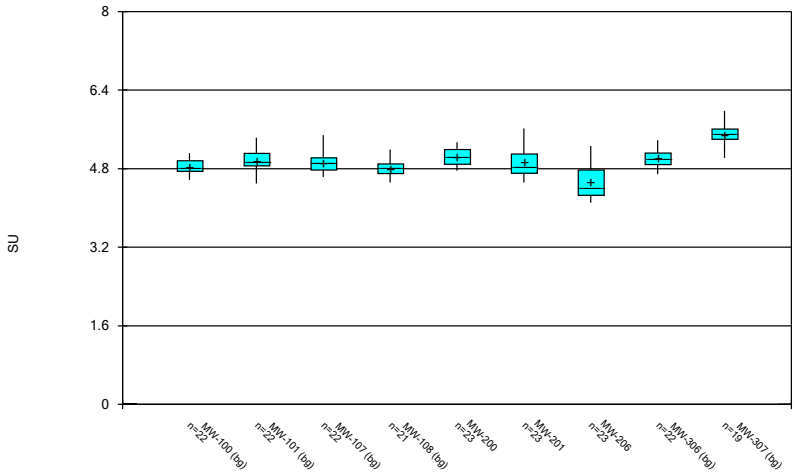
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

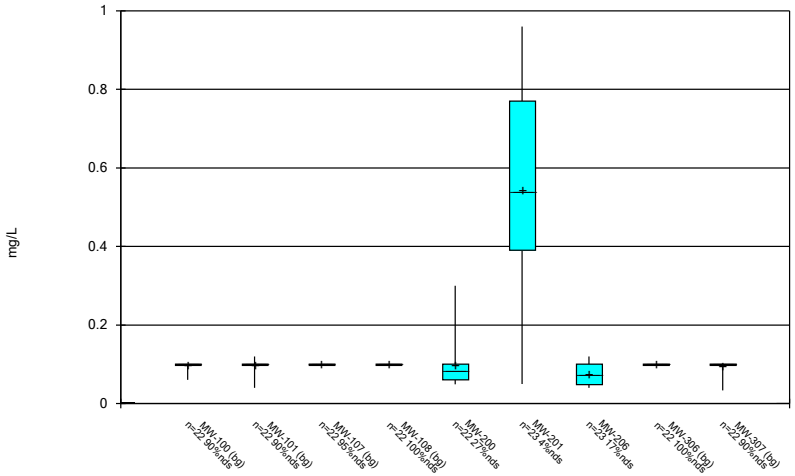
Box & Whiskers Plot



Constituent: Field pH Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

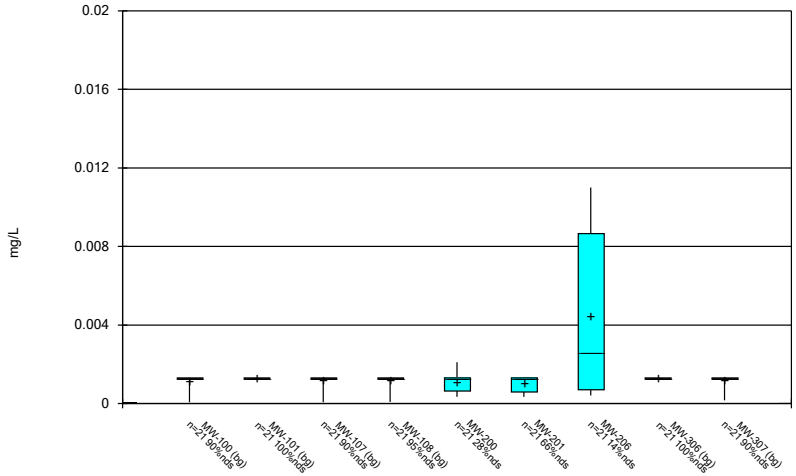
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

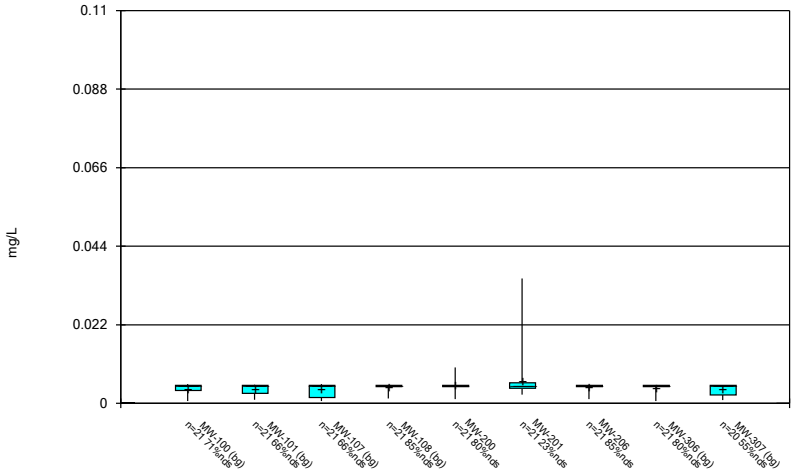
Box & Whiskers Plot



Constituent: Lead Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

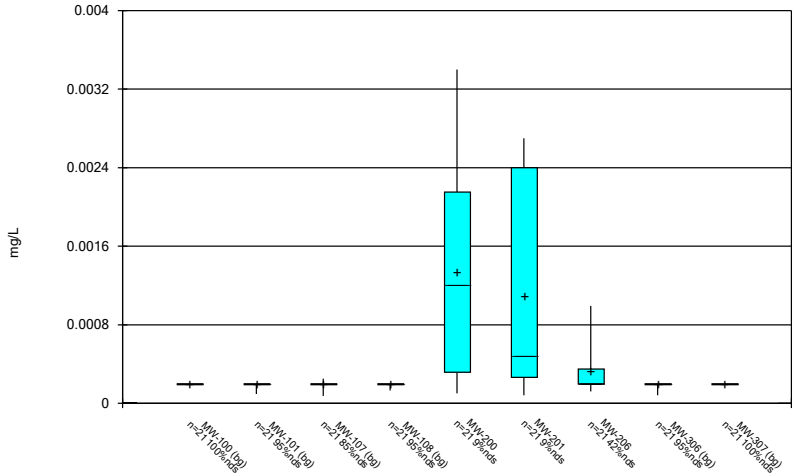
Box & Whiskers Plot



Constituent: Lithium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

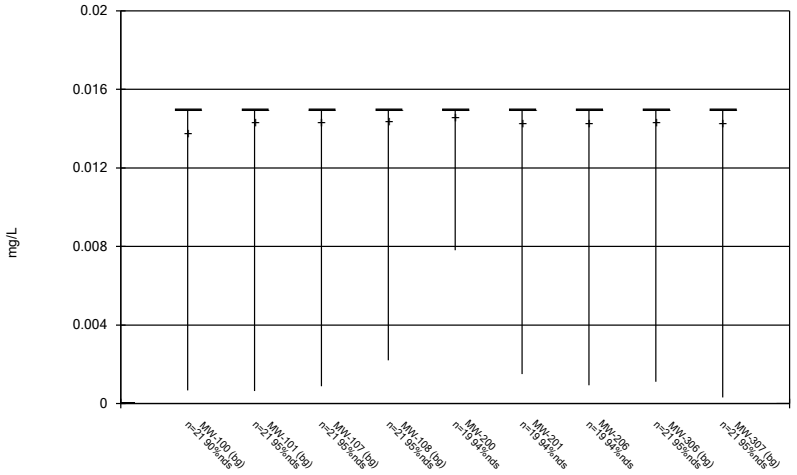
Box & Whiskers Plot



Constituent: Mercury Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

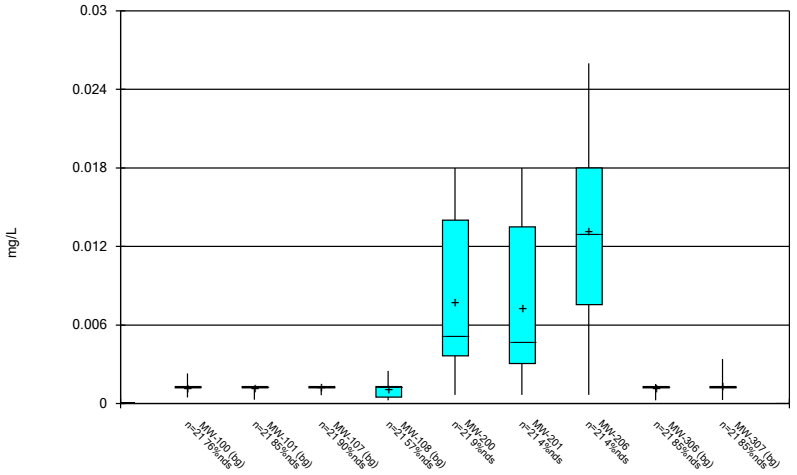
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

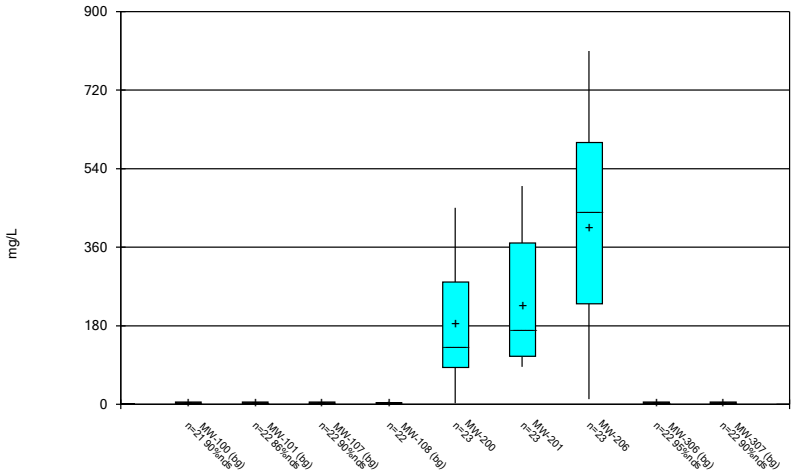
Box & Whiskers Plot



Constituent: Selenium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

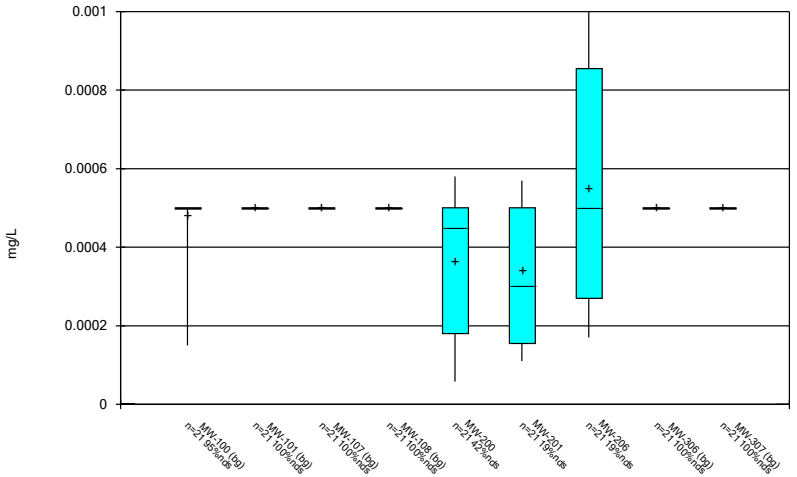
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

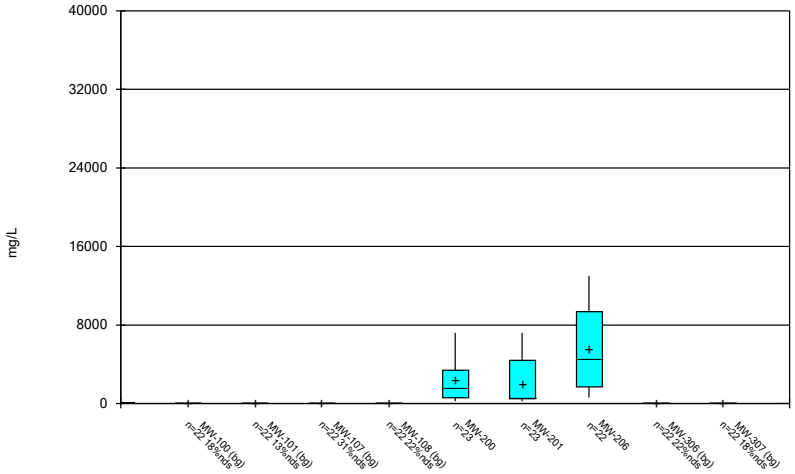
Sanitas™ v.9.6.37 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 8/24/2023 1:48 PM View: 200 Series
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Box & Whiskers Plot



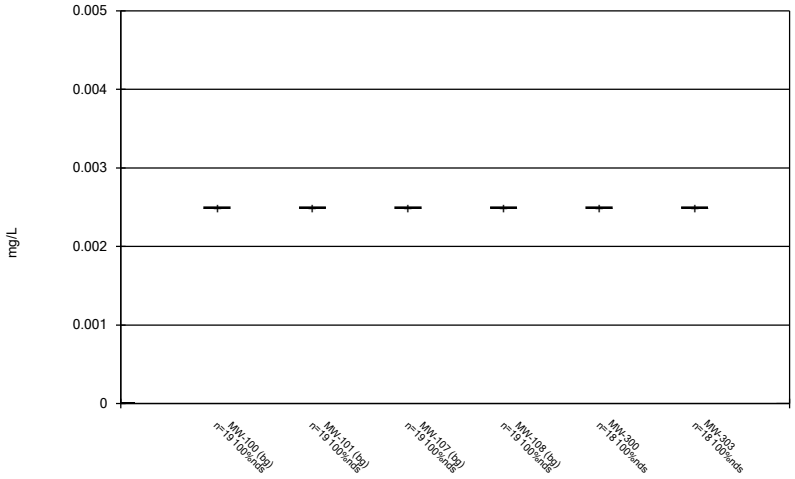
Constituent: Total Dissolved Solids Analysis Run 8/24/2023 1:48 PM View: 200 Series

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

300 Series

Sanitas™ v.9.6.37 . UG

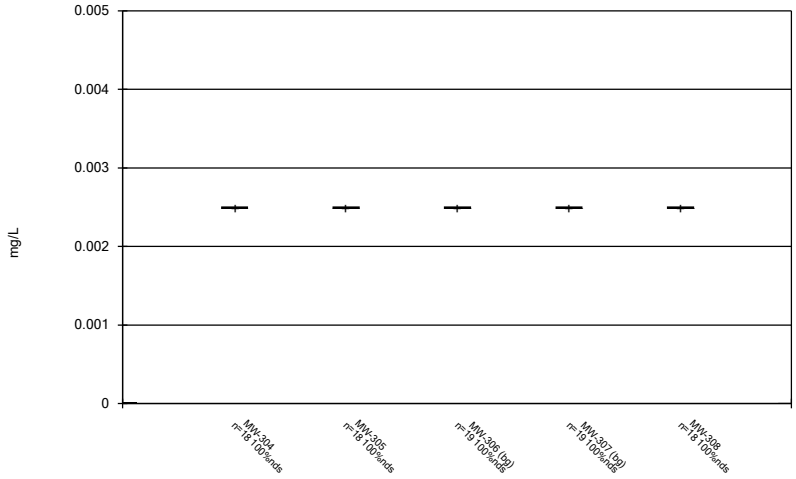
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

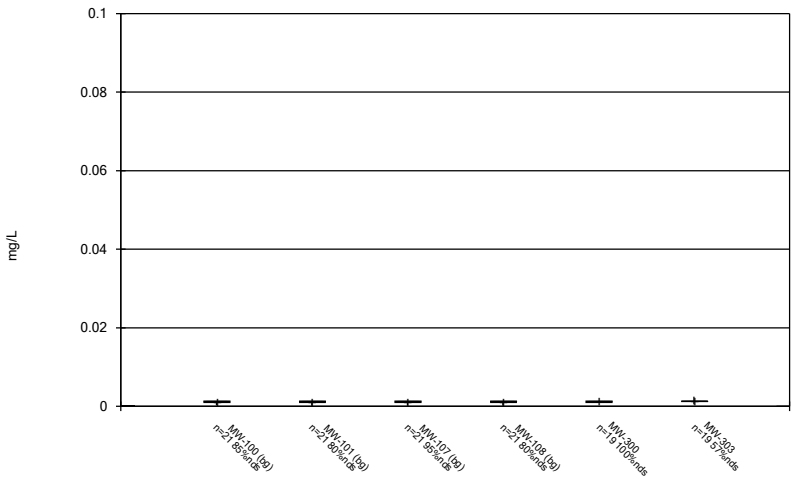
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

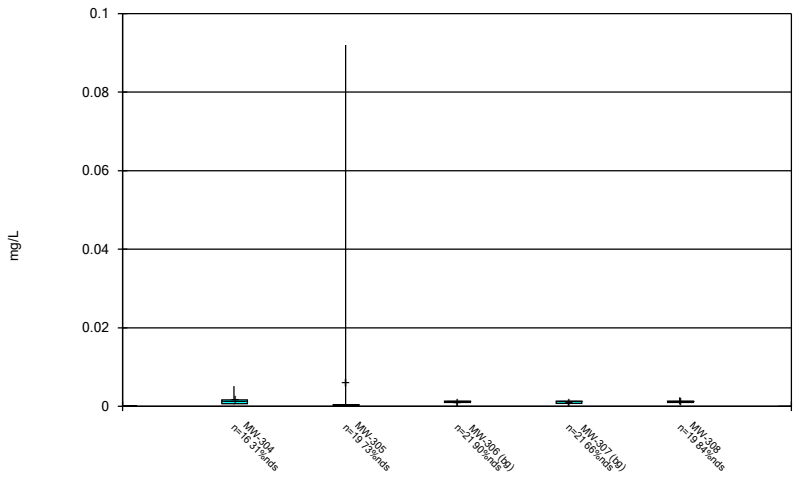
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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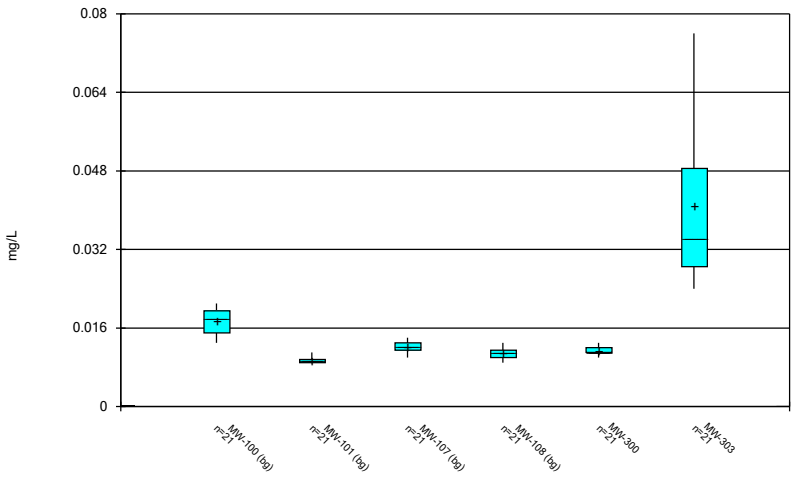
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

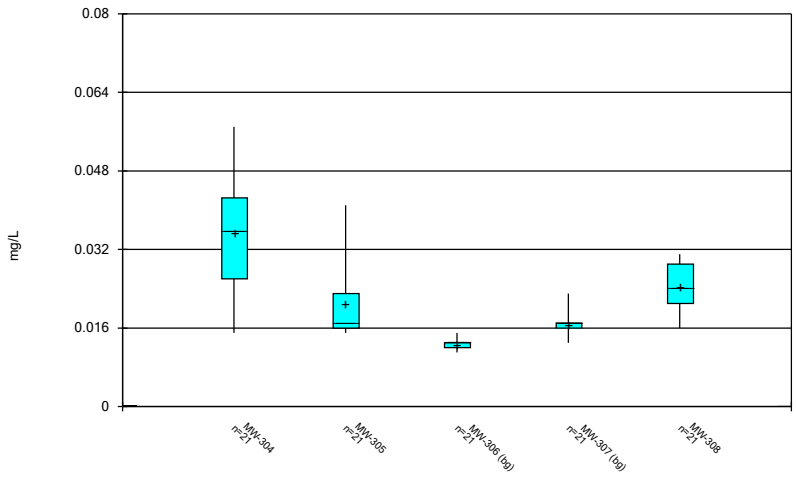
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

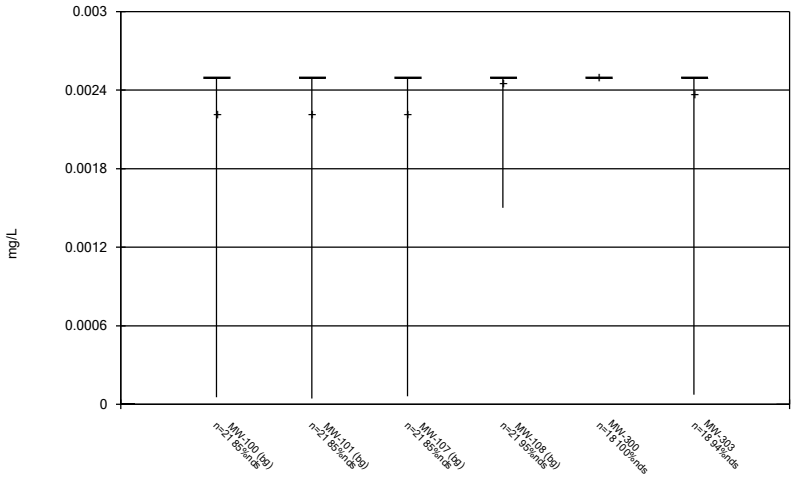
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

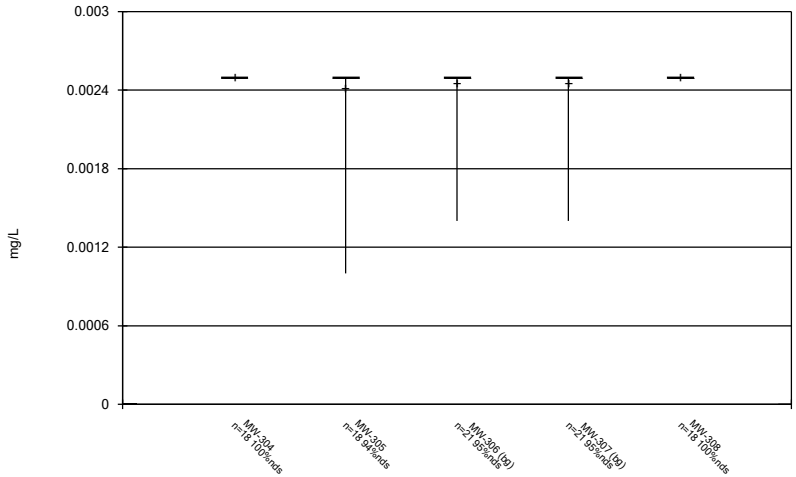
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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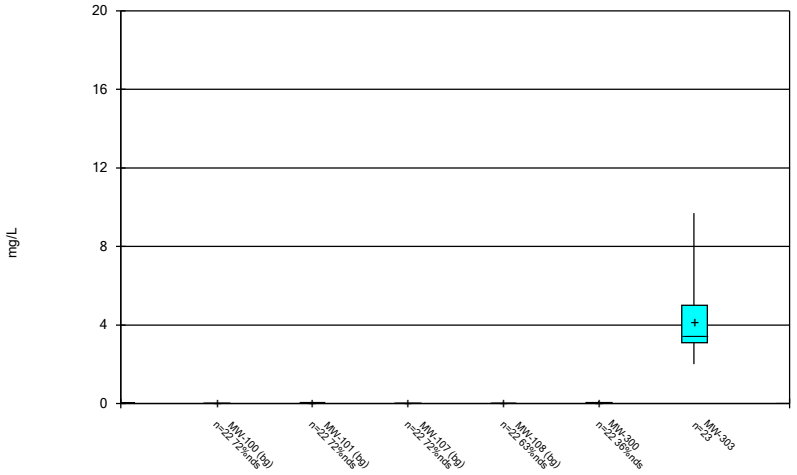
Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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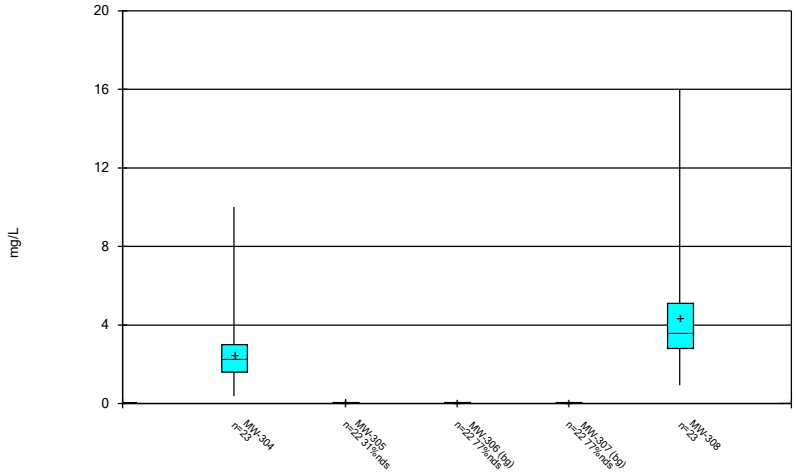

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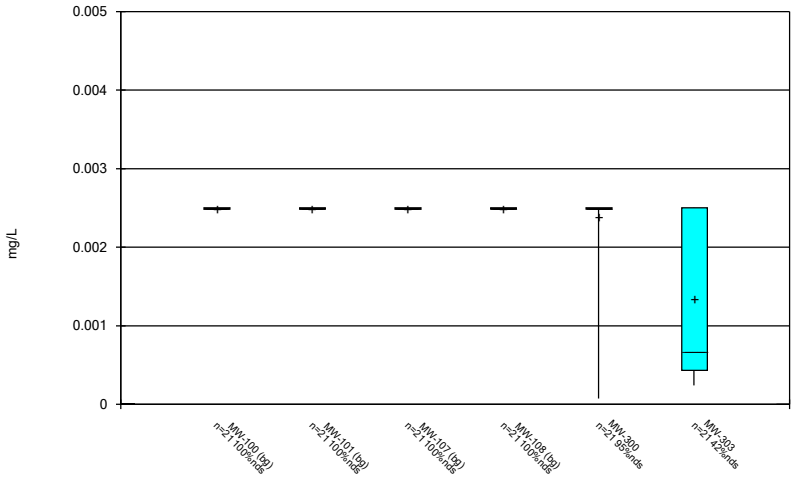
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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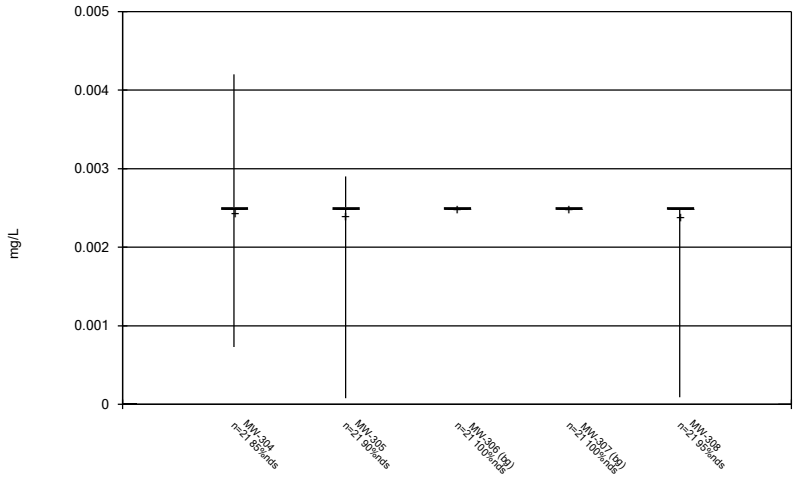
Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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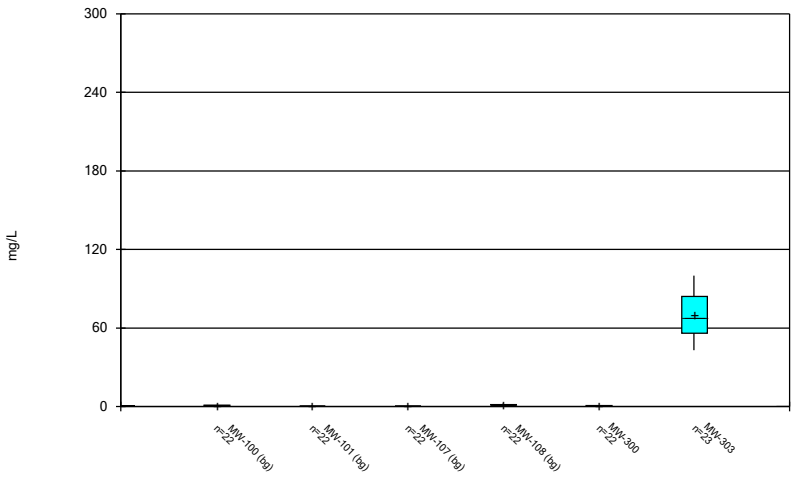
Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Calcium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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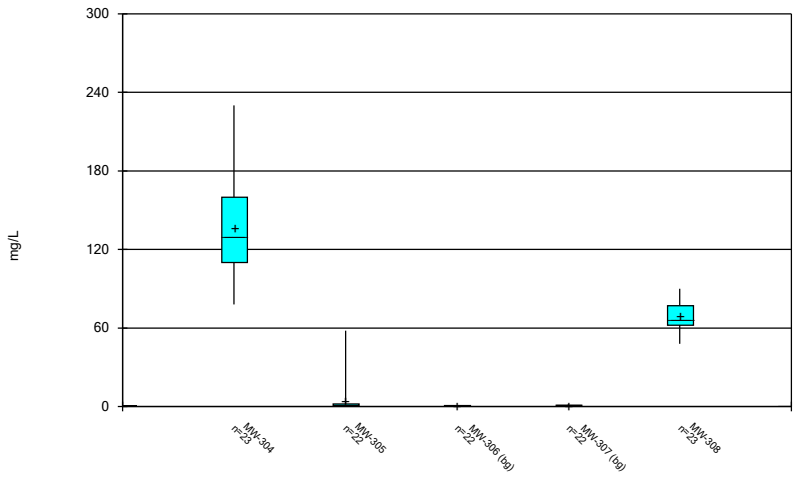
Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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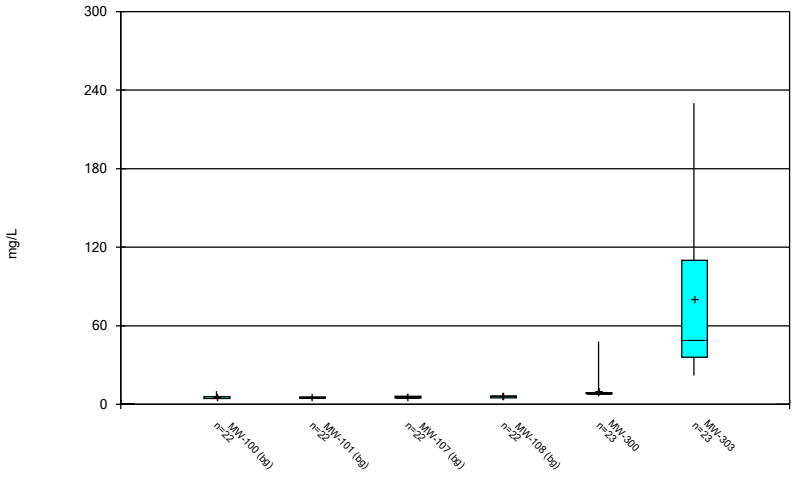
Sanitas™ v.9.6.37 . UG

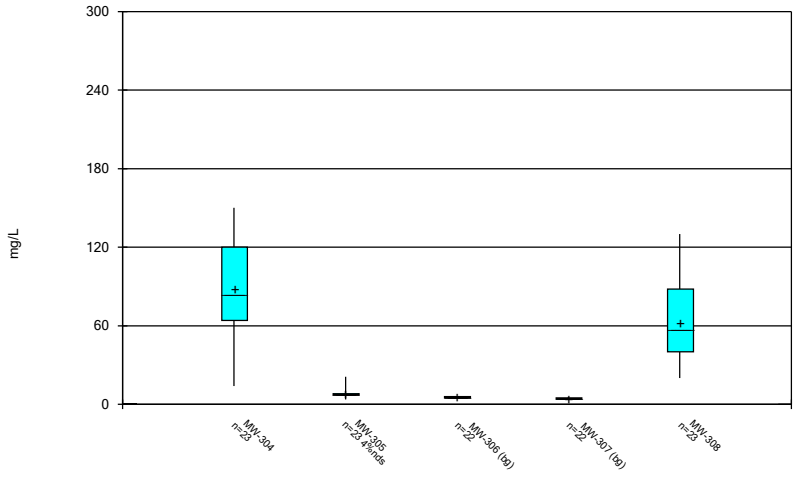
Box & Whiskers Plot



Constituent: Chloride Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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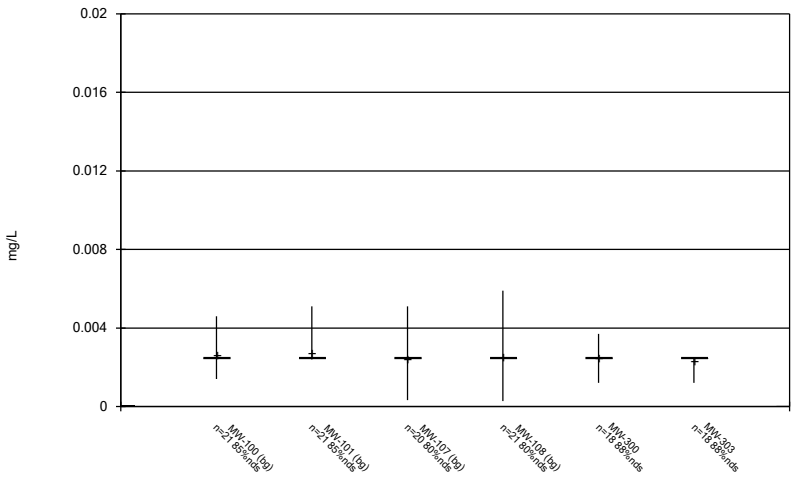
Box & Whiskers Plot



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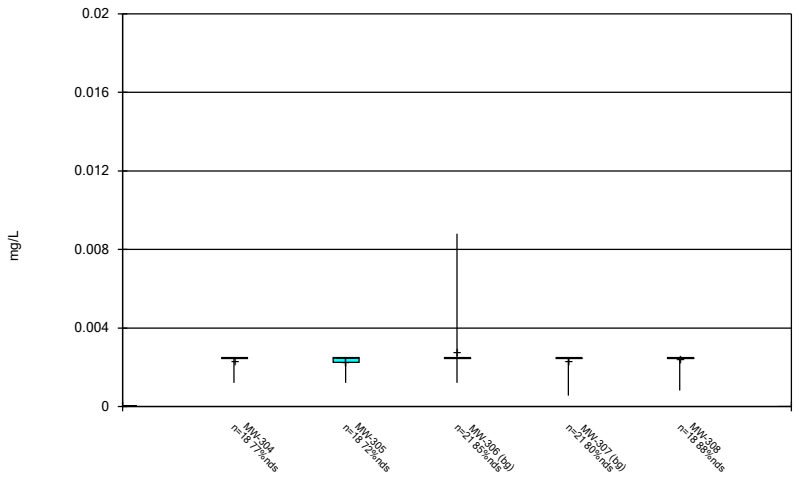
Sanitas™ v.9.6.37 . UG

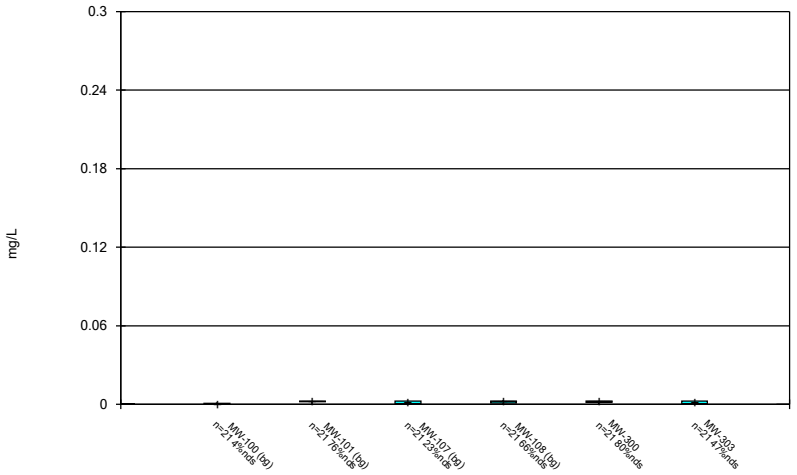
Box & Whiskers Plot



Constituent: Chromium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

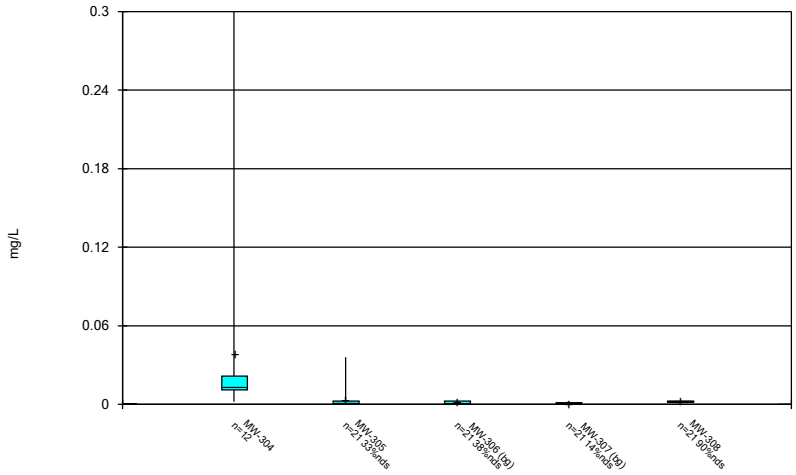
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

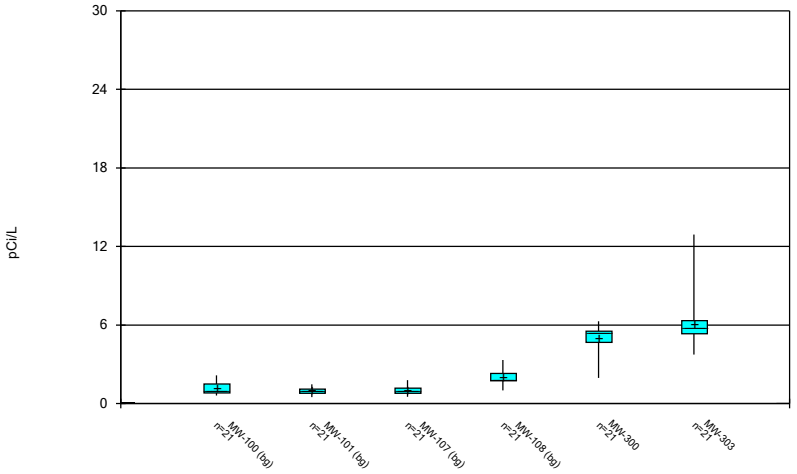
Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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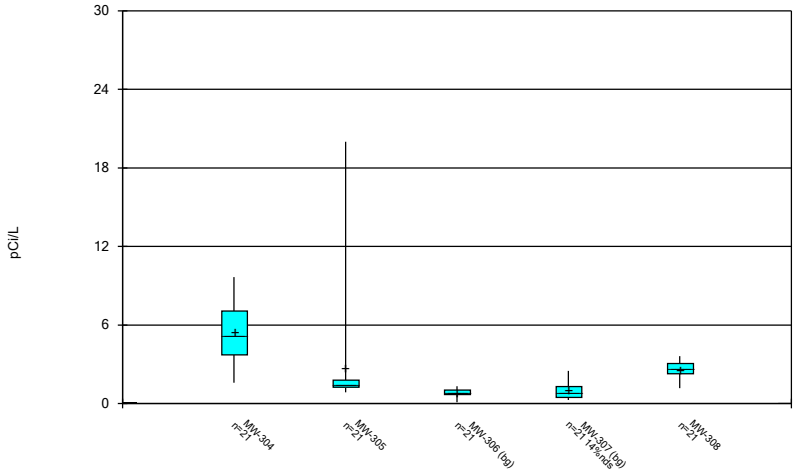
Box & Whiskers Plot



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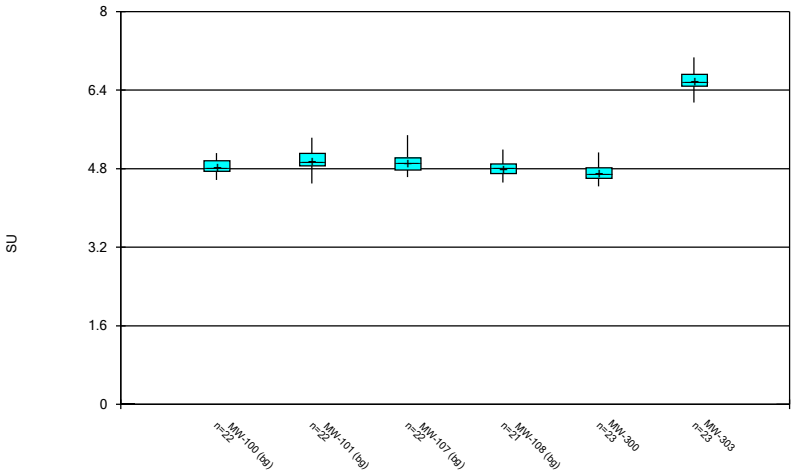
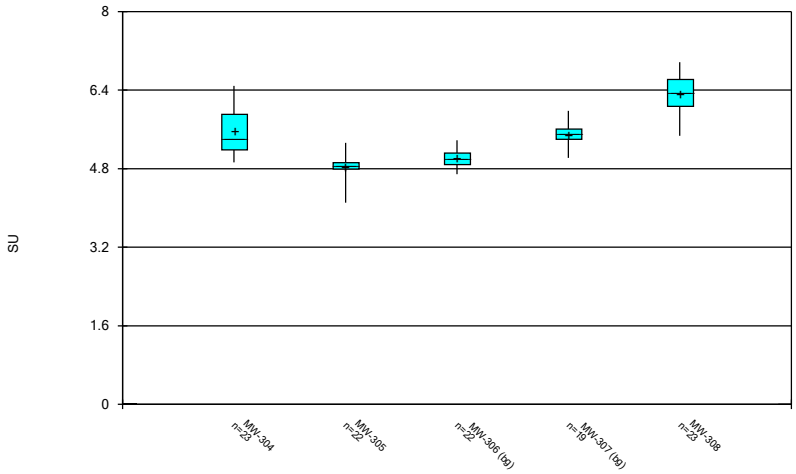


Constituent: Field pH Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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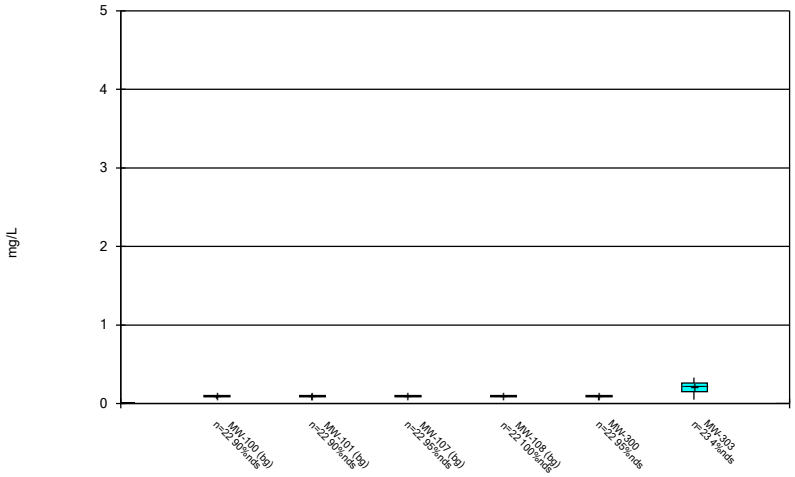
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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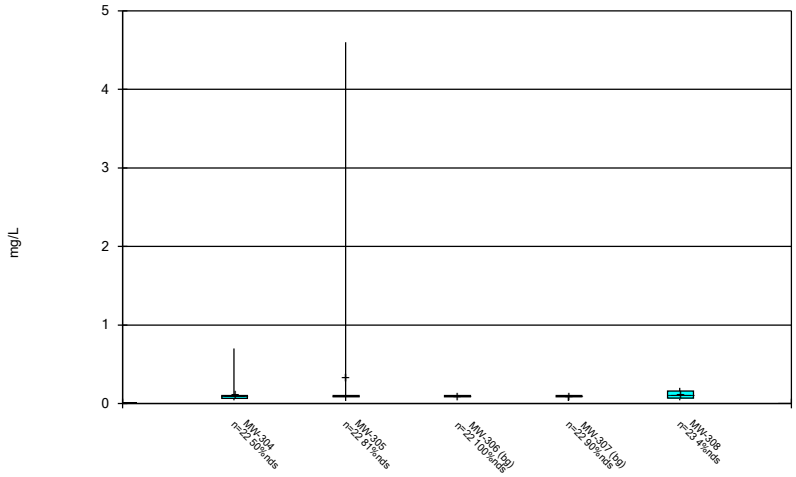
Box & Whiskers Plot



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Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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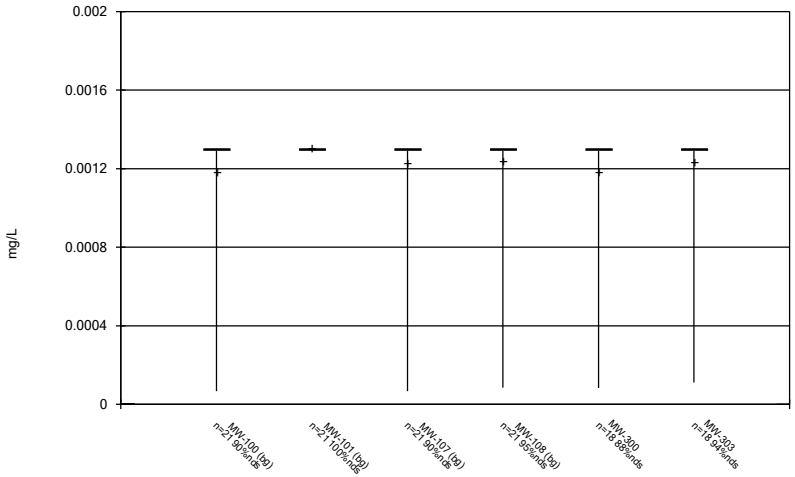
Box & Whiskers Plot



Constituent: Lead Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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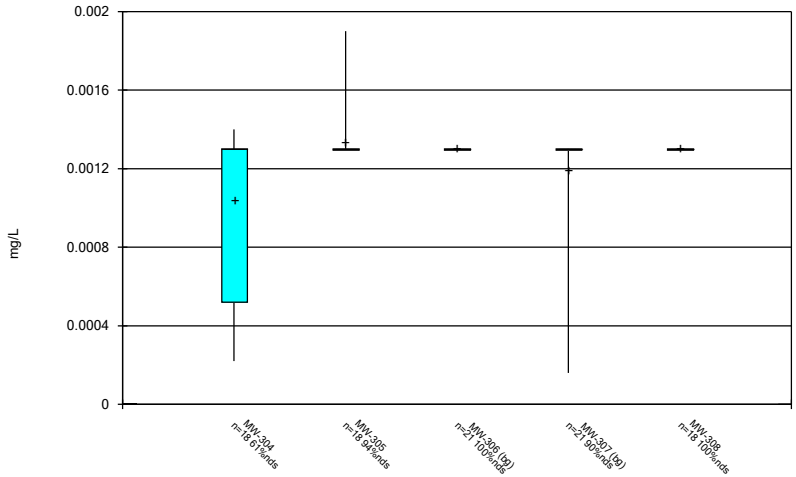

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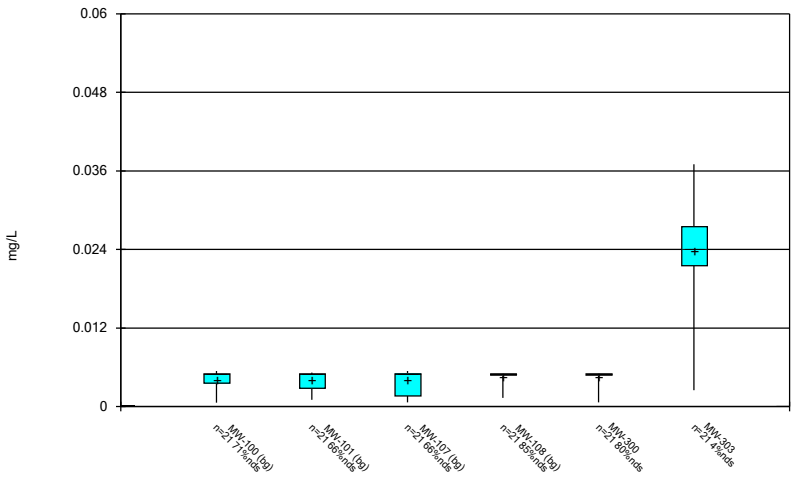
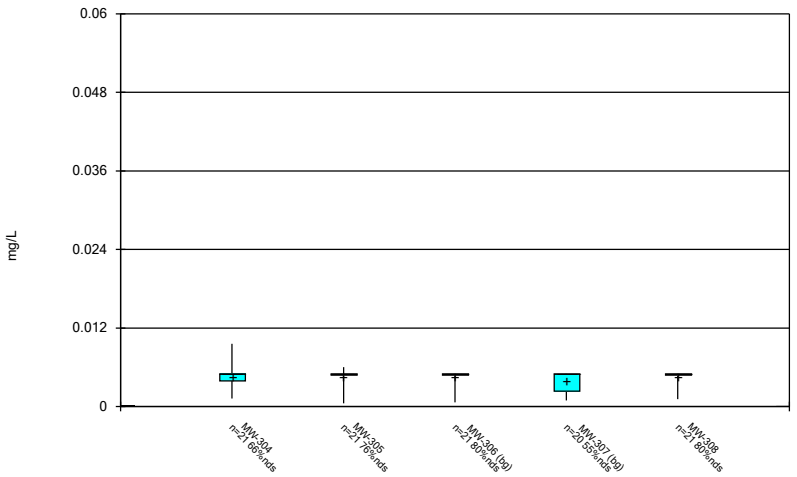


Constituent: Lithium Analysis Run 8/24/2023 11:40 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Lithium Analysis Run 8/24/2023 11:40 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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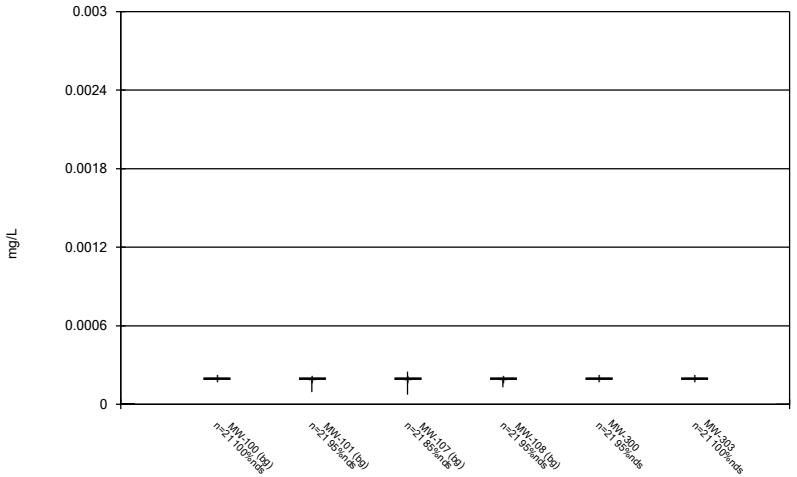

Constituent: Mercury Analysis Run 8/24/2023 11:40 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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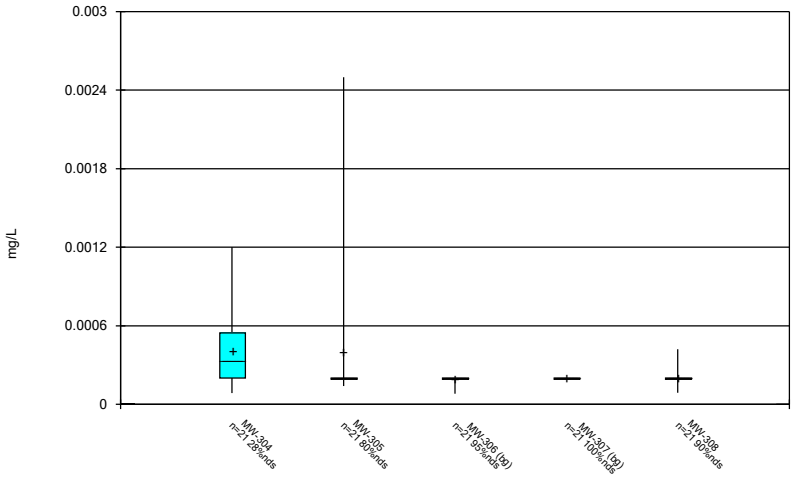

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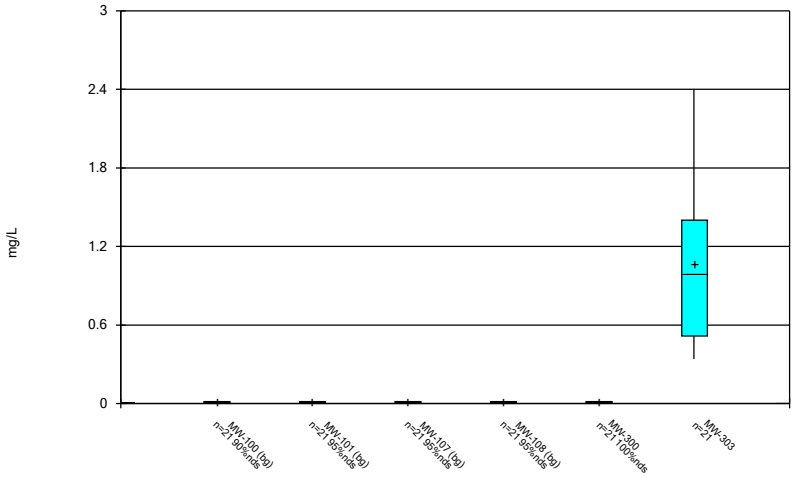

Constituent: Molybdenum Analysis Run 8/24/2023 11:40 AM View: 300 Series General
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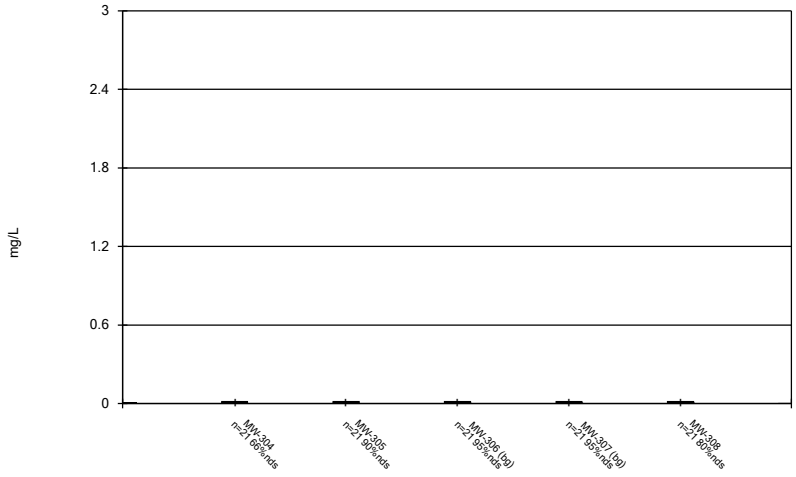

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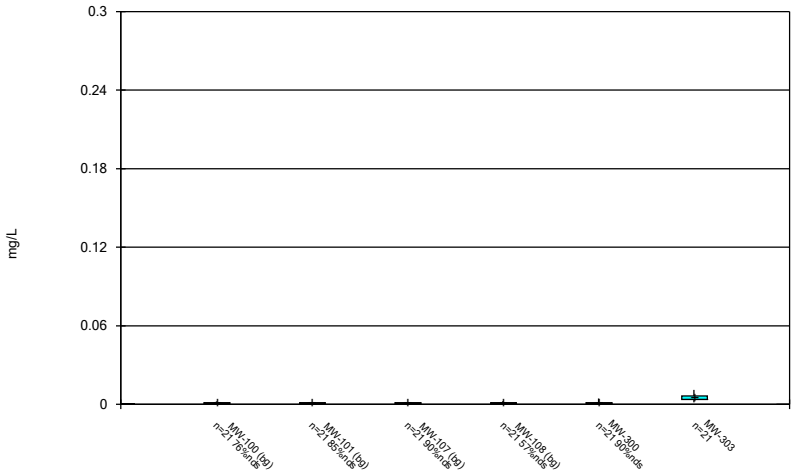
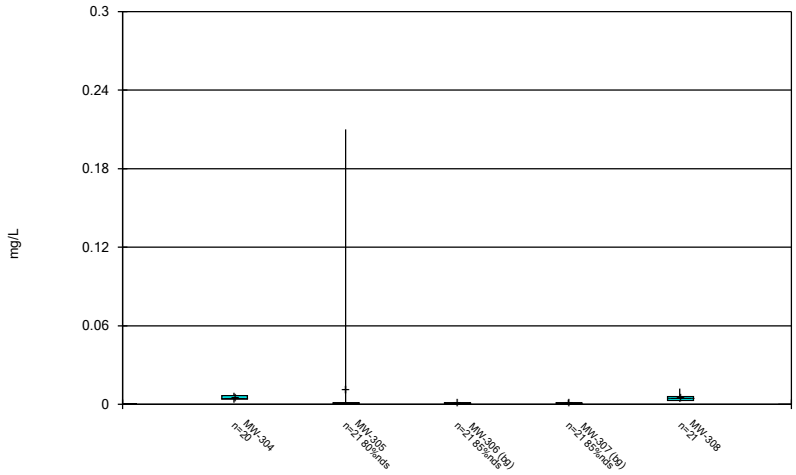
Box & Whiskers Plot



Constituent: Selenium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

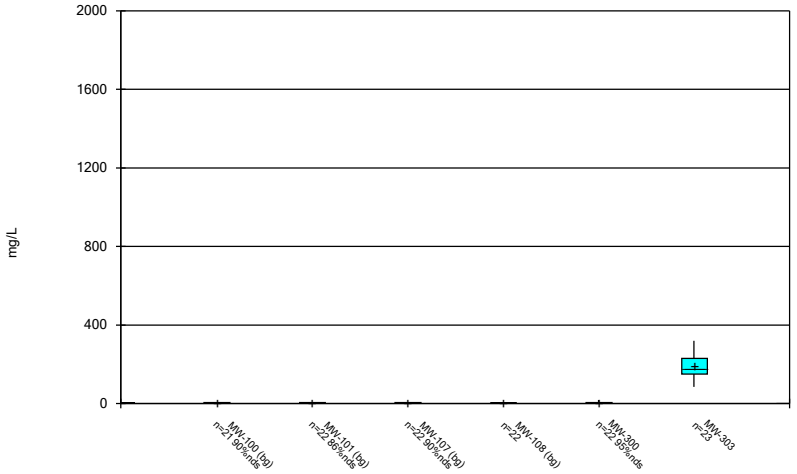
Box & Whiskers Plot



Constituent: Selenium Analysis Run 8/24/2023 11:40 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot

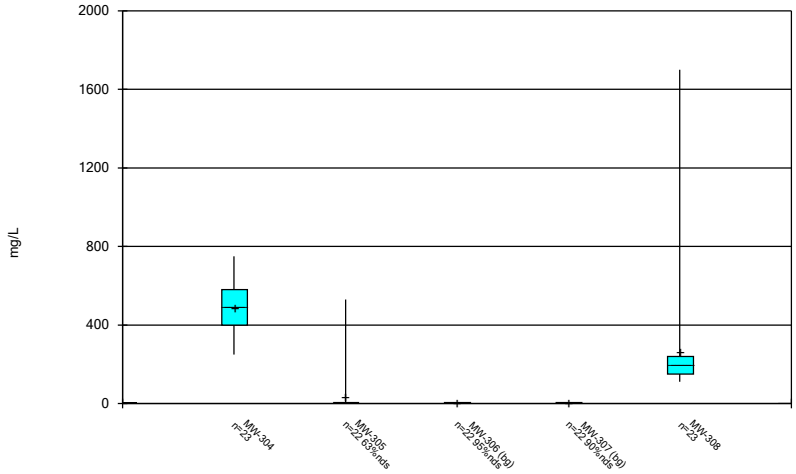


Constituent: Sulfate Analysis Run 8/24/2023 11:41 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



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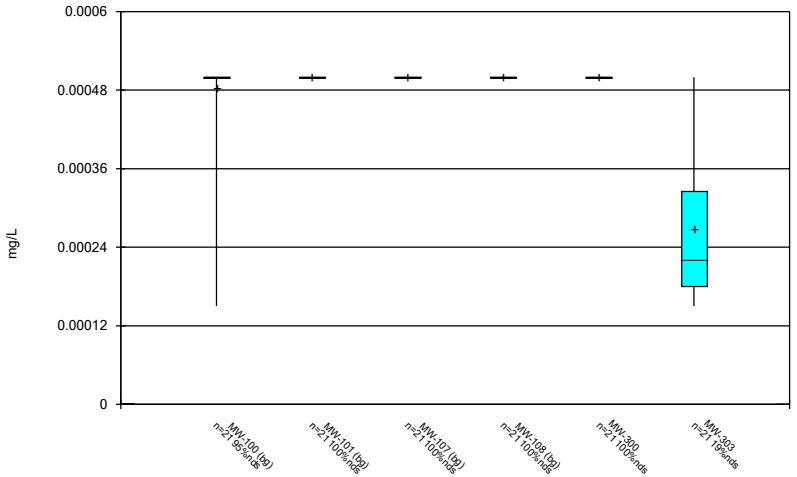
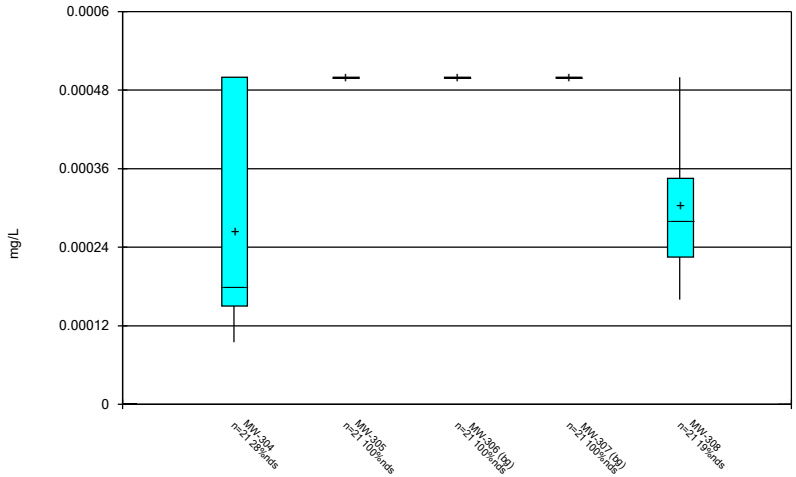


Constituent: Thallium Analysis Run 8/24/2023 11:41 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

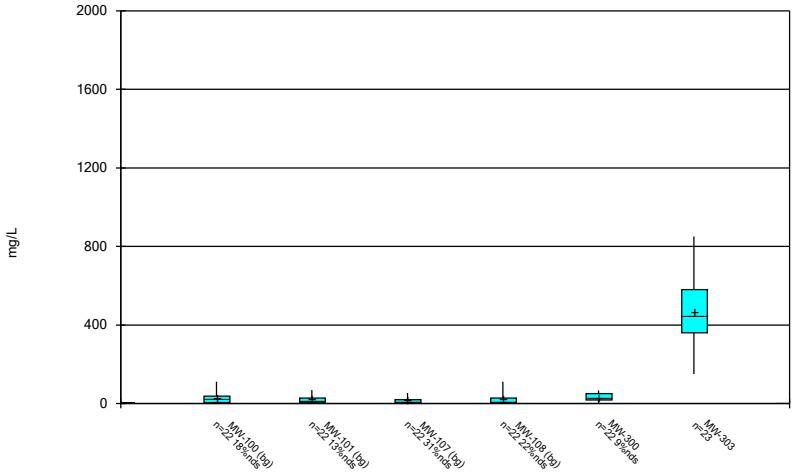
Box & Whiskers Plot



Constituent: Thallium Analysis Run 8/24/2023 11:41 AM View: 300 Series General

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

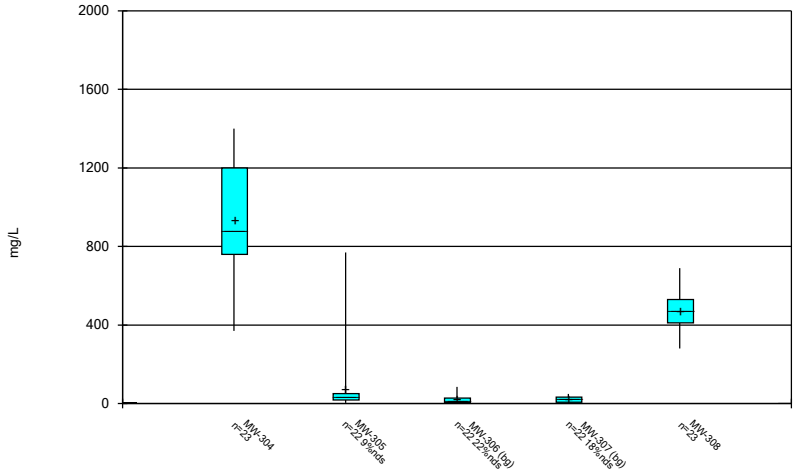
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 11:41 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.9.6.37 . UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/24/2023 11:41 AM View: 300 Series General
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

APPENDIX C

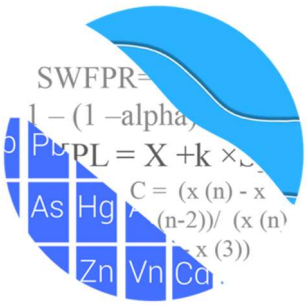
Statistical Analyses – September 2023
Semi-Annual Monitoring

SEPTEMBER 2023
GROUNDWATER
STATISTICAL ANALYSIS

GULF CLEAN ENERGY CENTER

Prepared by:

Groundwater Stats Consulting LLC



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GROUNDWATER STATS CONSULTING

December 15, 2023

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Gulf Clean Energy Center
Statistical Analysis – September 2023 Analysis

Dear Mr. Amos,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of the groundwater data for the September 2023 sample event at Gulf Clean Energy Center. 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 Gulf Clean Energy Center for the CCR program in 2016 at each of the groundwater monitoring wells. The monitoring well network for the Gypsum Storage Area originally included wells MW-202, MW-203, MW-204 and MW-205. However, further research conducted by Geosyntec Consultants, reportedly, concluded that the location of these compliance wells did not represent the zone of groundwater quality downgradient of the site; therefore, these wells would not identify whether groundwater was affected from practices at the site. As a result, these wells are not included in the statistical analysis provided in this report. The monitoring well network, as provided by Geosyntec Consultants, consists of the following wells:

- **Upgradient wells:** MW-100, MW-101, MW-107, MW-108, MW-306, and MW-307
- **Ash Landfill No. 1 (100 Series):** MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, and MW-110
- **Gypsum Storage Area (200 Series):** MW-200, MW-201, and MW-206

- **Ash Landfill No. 2 (300 Series):** MW-300, MW-303, MW-304, MW-305, and MW-308

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The CCR program consists of the following constituents listed below. The terms "constituent" and "parameter" are interchangeable.

- **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

Time series graphs and box plots for Appendix III and IV parameters at the 100, 200, and 300 series wells are provided for these wells for the above constituents. 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. For each of the well series, the time series and box plots include the upgradient wells for comparison to groundwater quality in the region unrelated to the facility.

Note that due to matrix interference and dilution differences, varying reporting limits were observed during the previous analysis; therefore, the most recent reporting limits of 0.1 mg/L for fluoride, 0.005 mg/L for lithium, and 0.0013 mg/L for selenium were substituted for all non-detects across all wells. For the 200 series wells, reporting limits of 0.0025 mg/L and 0.0013 mg/L were used in lieu of elevated reporting limits of 0.025 mg/L and 0.013 mg/L for chromium and lead, respectively.

Proposed background data at all wells were initially evaluated in October 2017 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. A summary of those findings, along with the summary of the background update conducted in August 2023 is provided below.

Power curves were provided during the initial screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

CCR Appendix III Constituents:

Ash Landfill No. 1 (100 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 7

Gypsum Storage Area (200 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 3

Ash Landfill No. 2 (300 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 5

The number of constituents and downgradient wells affects both the power curves and the table value (kappa) that enter into the computation of parametric prediction limits whenever a resampling scheme is used. Thus, parametric interwell limits, which are constructed using pooled upgradient well data, for a given constituent may differ slightly across the well series, even though the background data are the same.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate

associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits as appropriate. Non-detects are handled as follows:

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

To account for varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects except in the cases discussed earlier where historical reporting limits were substituted due to laboratory matrix interference. Substitution of the most recent reporting limit is done on an individual well basis for intrawell prediction limits and confidence intervals; therefore, the reporting limit for a given constituent may vary from well to well. 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.

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 may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In the interwell case, prediction limits are updated with upgradient well data following each sampling event after careful screening for any new outliers. 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. Background data were initially screened for outliers, trends, and appropriate statistical methodology in October of 2017, and prediction limits were updated in March of 2020 and again in August 2023. Summaries of the initial screening and the most recent background update is provided below.

Summary of October 2017 Background Screening

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the October 2017 report. These values maybe also be seen on the time series graphs as disconnected points and on the data pages in a lighter font.

Seasonality

No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be visually identified, 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, which were presented with the screening report, showed a few statistically significant trends. All trends noted were relatively low in magnitude when compared to average concentrations. Therefore, no adjustments were necessary at that time.

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 Gulf Clean Energy Center for the following Appendix III parameters: calcium, chloride, pH, and sulfate. No statistically significant variation was noted for boron, fluoride, or TDS, making these constituents eligible for interwell analyses. All other constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality.

Appendix III – Intrawell Method Eligibility Screening

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate that downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits were used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. The upper tolerance limits were constructed to represent the extreme upper range of potential background levels at the site.

Either parametric or nonparametric tolerance limits were calculated based on the data characteristics that were described above for prediction limits. Parametric tolerance limits (for normal or transformed-normally distributed data) were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters recommended for intrawell analyses. For data sets with non-normal distributions, nonparametric tolerance limits were used. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented, and the confidence and coverage levels increase.

Confidence intervals were constructed on downgradient wells for each of the Appendix III parameters exhibiting spatial variation, using the tolerance limits discussed above, to determine intrawell eligibility. Either parametric or nonparametric confidence intervals were constructed as appropriate. When the entire confidence interval is above the background limit for a given parameter, interwell methods are initially recommended as the statistical method. Note that this screening identifies whether confidence intervals are above a background limit but does not identify the reason for this occurrence. Therefore, only the wells/parameters with confidence intervals which did not exceed background limits are eligible for intrawell prediction limits.

Confidence intervals for Appendix III parameters were found to be above the background standards in at least one well for each parameter at Ash Landfill No. 1; therefore, interwell prediction limits were recommended for all Appendix III parameters at this unit. Confidence intervals were above background standards for all parameters except pH at the Gypsum Storage Area and Ash Landfill No. 2. Therefore, intrawell methods were recommended for pH and interwell methods were recommended for all other Appendix III parameters at these two units. The results of the upper tolerance limits calculations and confidence interval comparisons were presented in the background screening report.

If further evaluation confirms variation in groundwater at these downgradient wells, intrawell methods will be considered for these parameters. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given

constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting. When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits are initially selected for the statistical method until further evidence shows that the higher downgradient concentrations are due to spatial variation rather than a result of the facility.

Summary of Appendix III Background Update Summary – Conducted in August 2023

Statistical limits were last updated in March 2020 and a summary of the background update was submitted at that time. All data were screened as described below for the purpose of updating statistical limits with more recent data in order to provide statistical limits that are conservative from a regulatory perspective and representative of present-day groundwater quality conditions.

Outlier Analysis

Prior to performing prediction limits in August 2023, proposed background data through September 2022 were reviewed to identify any newly suspected outliers at all wells for pH for intrawell testing, and through April 2023 at upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate, and TDS for interwell testing. Visual screening was used to identify potential outliers using time series graphs and when necessary, Tukey's outlier test was used to formally test suspected outliers.

Tukey's outlier test identified suspected outliers for boron, calcium, chloride, pH, and TDS among pooled upgradient well data along with pH at downgradient well MW-305. The previously flagged highest value for pH among upgradient well MW-108 was confirmed as an outlier and the three highest values for pH at MW-307 were flagged at that time. Additionally, the lowest value for pH at MW-305 was also flagged as an outlier. Any values identified by Tukey's test but not flagged were not drastically different from existing concentrations.

Previously flagged values were confirmed by Tukey's test and visual screening, and these measurements remained excluded from statistical limits to reduce variation, better represent background conditions, and provide limits that are conservative 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. A complete list of flagged values follows this letter.

Mann-Whitney Evaluation - Intrawell

For pH, which is analyzed using intrawell prediction limits at each of the 200 and 300 series wells, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through March 2019 to more recent compliance samples through September 2022 to evaluate whether the groups are statistically similar at the 99% confidence level. Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless updating results in the same or more conservative limits, or it can be reasonably justified that the change in concentrations reflects a shift unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. Statistically significant differences were found between the two groups for pH at the Gypsum Storage Area for the following well/constituent pairs:

200 Series:

- pH: MW-201, MW-206, and MW-307 (upgradient)

300 Series:

- pH: MW-307 (upgradient)

For pH at upgradient well MW-307, while the Mann-Whitney indicated a statistically significant decrease in medians, the three highest measurements that occurred earlier in the record were flagged as outliers as discussed earlier. No further adjustment was required and this record was updated through September 2022 as remaining measurements are similar throughout the record and represent groundwater quality upgradient of the facility. For pH at downgradient wells MW-201 and MW-206, which were identified to have a statistically significant decrease and increase in concentrations, respectively, the earlier portion of each record was truncated in order to remove the influence of the trend to construct statistical limits that are representative of present-day groundwater quality conditions.

All other background data sets for well/constituent pairs using intrawell prediction limits were updated through September 2022, and all records will be re-evaluated during the next background update.

Trend Test Evaluation - Interwell

The Sen's Slope/Mann Kendall trend test was used to evaluate the entire record of data from upgradient wells for parameters utilizing interwell prediction limits. When statistically significant trends are identified in upgradient wells, the earlier portion of data is deselected prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative from a regulatory perspective. Statistically significant increasing and decreasing trends were identified; however, the magnitudes of the trends were low relative to average concentrations, and no adjustments to the records were required.

Statistical Analysis of Appendix III Parameters – September 2023

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, using background data through September 2022, are used to evaluate the September 2023 samples for pH at the Gypsum Storage Area and at Landfill No. 2 due to spatial variation for this parameter. However, only the 200 and 300 series wells were eligible for intrawell testing for pH, as discussed earlier. The 100 series wells are evaluated using interwell prediction limits for all constituents.

Interwell prediction limits, which compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data, are updated during each sample event after screening for new outliers in upgradient wells. Data from upgradient wells are periodically also re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend. All available upgradient well data through September 2023 were used to establish interwell prediction limits, based on a 1-of-2 resample plan, for all Appendix III parameters except pH at the 200 and 300 series wells which is tested using intrawell prediction limits.

Complete tabular and graphical results for both intrawell and interwell prediction limits are presented following this letter. Exceedances were noted for each of the units and are listed in summary tables for intrawell and interwell prediction limits.

Trend Test Evaluation – Appendix III

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of an 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; therefore, no further action is necessary.

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. Several statistically increasing and decreasing trends were noted among upgradient and downgradient wells. Complete tabular and graphical results of the trend tests follow this letter.

Evaluation of Appendix IV Parameters – September 2023

Prior to evaluating Appendix IV parameters, upgradient well data are screened through visual screening and Tukey's outlier test when necessary for potential outliers and extreme trending patterns that would lead to artificially elevated statistical limits. Tukey's outlier test previously identified potential outliers among pooled upgradient well data for barium and combined radium 226 + 228. Since these values were not drastically higher than existing concentrations upgradient of the facility and were less than the maximum containment level (MCL), no outliers were flagged.

High outliers are also 'cautiously' flagged in the downgradient wells when the measurements are distinctly different from remaining data within each respective record. This is intended to be a regulatory conservative approach and reduces the variance and, thus, 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 true mean at each downgradient well. Flagging high outliers should have no effect on the lower limit of nonparametric confidence intervals. No additional outliers were flagged for Appendix IV parameters during this analysis. A complete list of outliers follows this report.

Interwell Upper Tolerance Limits

Interwell upper tolerance limits, as appropriate, were used to calculate background limits from pooled upgradient well data for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution as does combined radium

226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

Interwell upper tolerance limits were compared to the Maximum Contaminant Levels (MCLs) and CCR rule-specified levels to determine the highest limit for use as the groundwater protection standards (GWPS) in the Confidence Interval comparisons, as described below. A table of the GWPS follows this report.

Trend Test Evaluation – Appendix IV

When confidence interval exceedances were identified in downgradient wells from the previous analysis, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level. Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:

- Cobalt: MW-100 (upgradient) and MW-110
- Combined Radium 226 + 228: MW-100 (upgradient)

Decreasing trends:

- Combined Radium 226 + 228: MW-200, MW-201, and MW-206
- Mercury: MW-110
- Molybdenum: MW-303

Confidence Intervals

Confidence intervals were then constructed on downgradient wells, using all historical data within a given well, for each of the Appendix IV parameters and compared to the highest limit of either the MCL or rule-specified level as discussed above. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the largest and smallest order statistics depending on the sample size as interval limits, were constructed when data did not follow a normal or transformed-normal distribution

or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned above, downgradient well/constituent pairs containing 100% non-detect values do not require statistical analysis and a list of those well/constituent pairs follows this letter. For cobalt in well MW-304, samples prior to June 2018 have been deselected to use, at a minimum, the most recent 8 samples in constructing the confidence interval rather than the entire data set in order to reflect present-day concentrations. The historical data for this constituent had higher concentrations due to a broken pipe that influenced groundwater quality at this well. Concentrations, as expected, have continued to decrease since the pipe was fixed.

The following downgradient well/constituent pairs that had an exceedance during the previous analysis and have a statistically significant decreasing trend during this analysis were further evaluated with confidence intervals using only the most recent 8 measurements through September 2023 to determine present-day groundwater quality conditions relative to the respective GWPSs:

- Combined Radium 226 + 228: MW-200, MW-201, and MW-206
- Mercury: MW-110
- Molybdenum: MW-303

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Tables of the upper tolerance limits, GWPS, and confidence intervals, along with graphical comparisons against standards, and significant results (exceedances) follow this letter. The following confidence interval exceedances were noted:

100 Series Wells:
- Cobalt: MW-104 and MW-110
- Combined Radium 226 + 228: MW-104 and MW-110
- Mercury: MW-110

200 Series Wells:
- Combined Radium 226 + 228: MW-206

300 Series Wells:
- Combined Radium 226 + 228: MW-303
- Molybdenum: MW-303

Summary

Based on the results of the September 2023 observations for Appendix III and IV constituents being compared to prediction limits and GWPSs, the following downgradient exceedances were identified:

Appendix III:

- See attached summary tables

Appendix IV:

100 Series Wells:

- Cobalt: MW-104 and MW-110
- Combined Radium 226 + 228: MW-104 and MW-110
- Mercury: MW-110

200 Series Wells:

- Combined Radium 226 + 228: MW-206

300 Series Wells:

- Combined Radium 226 + 228: MW-303
- Molybdenum: MW-303

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Gulf Clean Energy Center. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient - 100 Series

Analysis Run 11/29/2023 6:06 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110

Arsenic (mg/L)
MW-106

Beryllium (mg/L)
MW-103, MW-105, MW-106

Cadmium (mg/L)
MW-102, MW-103, MW-105, MW-106

Fluoride (mg/L)
MW-102, MW-106

Mercury (mg/L)
MW-105

Molybdenum (mg/L)
MW-104, MW-110

Thallium (mg/L)
MW-106

100% Non-Detects: Appendix IV Downgradient - 200 Series

Analysis Run 11/29/2023 7:44 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-200

Chromium (mg/L)
MW-200

100% Non-Detects: Appendix IV Downgradient - 300 Series

Analysis Run 11/29/2023 9:33 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Antimony (mg/L)
MW-300, MW-303, MW-304, MW-305, MW-308

Arsenic (mg/L)
MW-300

Beryllium (mg/L)
MW-300, MW-304, MW-308

Lead (mg/L)
MW-308

Mercury (mg/L)
MW-303

Molybdenum (mg/L)
MW-300

Thallium (mg/L)
MW-300, MW-305

Date Ranges

Date: 11/29/2023 9:46 PM

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Cobalt (mg/L)
- MW-304 overall:6/7/2018-9/6/2023

Field pH (SU)
- MW-201 background:3/16/2017-9/16/2022
- MW-206 background:10/17/2018-9/16/2022

Outlier Summary - 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 5:09 PM

	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-100 Sulfate (mg/L)
3/1/2016			6.37 (o)		
5/2/2016					15 (o)
7/5/2016		7.11 (o)	6.29 (o)		
9/6/2016			6.42 (o)		
11/7/2016				0.0097 (o)	
1/9/2017	0.017 (o)				

Outlier Summary - 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 6:31 PM

	MW-200 Cadmium (mg/L)	MW-206 Chloride (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-100 Sulfate (mg/L)	MW-206 Total Dissolved Solids (mg/L)
3/1/2016					6.37 (o)			
3/2/2016	0.022 (o)							32000 (o)
5/2/2016							15 (o)	
7/5/2016		360 (o)		7.11 (o)	6.29 (o)			
9/6/2016					6.42 (o)			
11/7/2016						0.0097 (o)		
1/9/2017			0.017 (o)					

Outlier Summary - 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:00 PM

	MW-304 Arsenic (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-305 Field pH (SU)	MW-307 Field pH (SU)	MW-307 Lithium (mg/L)	MW-304 Selenium (mg/L)	MW-100 Sulfate (mg/L)
3/1/2016					6.37 (o)			
3/3/2016	0.009 (o)							
5/2/2016								15 (o)
5/4/2016	0.019 (o)							
7/5/2016			7.11 (o)		6.29 (o)			
7/6/2016	0.014 (o)							
9/6/2016					6.42 (o)			
11/7/2016						0.0097 (o)		
1/9/2017		0.017 (o)						
10/17/2018							0.05 (o)	
9/16/2022				3.8 (o)				

Appendix III - 100 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:09 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-103	0.081	n/a	9/6/2023	0.31	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	9/6/2023	11	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	9/7/2023	0.82	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	9/6/2023	0.58	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	9/6/2023	4.5	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.6	n/a	9/6/2023	3.7	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.6	n/a	9/6/2023	73	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.6	n/a	9/7/2023	63	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.6	n/a	9/6/2023	5.7	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.6	n/a	9/6/2023	30	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	7.002	n/a	9/6/2023	7.6	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	7.002	n/a	9/6/2023	88	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	7.002	n/a	9/7/2023	20	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	7.002	n/a	9/6/2023	29	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	7.002	n/a	9/6/2023	93	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	5.98	4.5	9/6/2023	4.17	Yes	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-105	5.98	4.5	9/7/2023	6.36	Yes	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	9/6/2023	0.22	Yes	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5.5	n/a	9/7/2023	12	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5.5	n/a	9/6/2023	20	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5.5	n/a	9/6/2023	350	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5.5	n/a	9/7/2023	43	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5.5	n/a	9/6/2023	31	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5.5	n/a	9/6/2023	260	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	9/6/2023	1000	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	9/7/2023	270	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	9/6/2023	600	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2

Appendix III - 100 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:09 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-102	0.081	n/a	9/7/2023	0.05ND	No	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**9/6/2023**	**0.31**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**9/7/2023**	**0.82**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	9/7/2023	0.05ND	No	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**9/6/2023**	**0.58**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**9/6/2023**	**4.5**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.6	n/a	9/7/2023	0.34	No	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.6**	**n/a**	**9/6/2023**	**3.7**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.6**	**n/a**	**9/6/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.6**	**n/a**	**9/7/2023**	**63**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.6	n/a	9/7/2023	0.55	No	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.6**	**n/a**	**9/6/2023**	**5.7**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.6**	**n/a**	**9/6/2023**	**30**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	7.002	n/a	9/7/2023	5	No	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**7.002**	**n/a**	**9/6/2023**	**7.6**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**7.002**	**n/a**	**9/6/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**7.002**	**n/a**	**9/7/2023**	**20**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	7.002	n/a	9/7/2023	4.2	No	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**7.002**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**7.002**	**n/a**	**9/6/2023**	**93**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	5.98	4.5	9/7/2023	4.76	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	5.98	4.5	9/6/2023	4.92	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**5.98**	**4.5**	**9/6/2023**	**4.17**	**Yes**	**134**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002203**	**NP Inter (normality) 1 of 2**
Field pH (SU)	**MW-105**	**5.98**	**4.5**	**9/7/2023**	**6.36**	**Yes**	**134**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002203**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-106	5.98	4.5	9/7/2023	4.96	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	5.98	4.5	9/6/2023	4.96	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	5.98	4.5	9/6/2023	4.75	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**9/6/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-102**	**5.5**	**n/a**	**9/7/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-103**	**5.5**	**n/a**	**9/6/2023**	**20**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5.5**	**n/a**	**9/6/2023**	**350**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5.5**	**n/a**	**9/7/2023**	**43**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5.5	n/a	9/7/2023	5ND	No	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5.5**	**n/a**	**9/6/2023**	**31**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5.5**	**n/a**	**9/6/2023**	**260**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	9/7/2023	26	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	9/6/2023	62	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**9/6/2023**	**1000**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**9/7/2023**	**270**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	9/7/2023	6	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	9/6/2023	110	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**9/6/2023**	**600**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - Significant Result

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.153	4.545	9/1/2023	4.75	No	21	4.849	0.1617	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.367	4.579	9/1/2023	4.86	No	21	4.973	0.2096	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.285	4.55	9/1/2023	4.85	No	21	4.918	0.1953	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.086	4.504	9/1/2023	4.81	No	20	4.795	0.1537	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.359	4.729	9/8/2023	4.91	No	22	5.044	0.1687	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.089	4.486	9/8/2023	4.89	No	16	4.788	0.1528	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	5.305	4.165	9/8/2023	5.21	No	10	4.735	0.2547	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.332	4.709	9/1/2023	4.99	No	21	5.02	0.1655	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:02 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-200**	**0.081**	**n/a**	**9/8/2023**	**0.16**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**9/8/2023**	**0.86**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**9/8/2023**	**5.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.463**	**n/a**	**9/8/2023**	**5.1**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.463**	**n/a**	**9/8/2023**	**35**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.463**	**n/a**	**9/8/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.805**	**n/a**	**9/8/2023**	**15**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.805**	**n/a**	**9/8/2023**	**25**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.805**	**n/a**	**9/8/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-206**	**0.12**	**n/a**	**9/8/2023**	**0.19**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**9/8/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**9/8/2023**	**71**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5.5**	**n/a**	**9/8/2023**	**1100**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**9/8/2023**	**170**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**9/8/2023**	**580**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:02 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-200**	**0.081**	**n/a**	**9/8/2023**	**0.16**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**9/8/2023**	**0.86**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**9/8/2023**	**5.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.463**	**n/a**	**9/8/2023**	**5.1**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.463**	**n/a**	**9/8/2023**	**35**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.463**	**n/a**	**9/8/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.805**	**n/a**	**9/8/2023**	**15**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.805**	**n/a**	**9/8/2023**	**25**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.805**	**n/a**	**9/8/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	9/8/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001033	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	9/8/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001033	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-206**	**0.12**	**n/a**	**9/8/2023**	**0.19**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**9/8/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**9/8/2023**	**71**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5.5**	**n/a**	**9/8/2023**	**1100**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-200	110	n/a	9/8/2023	70	No	138	n/a	n/a	20.29	n/a	n/a	0.0001033	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**9/8/2023**	**170**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**9/8/2023**	**580**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**

Appendix III - 300 Series - Intrawell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**9/6/2023**	**4.06**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III - 300 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.179	4.518	9/1/2023	4.75	No	21	4.849	0.1617	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.401	4.544	9/1/2023	4.86	No	21	4.973	0.2096	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.317	4.518	9/1/2023	4.85	No	21	4.918	0.1953	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.111	4.479	9/1/2023	4.81	No	20	4.795	0.1537	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.086	4.364	9/6/2023	4.67	No	22	4.725	0.1777	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.064	6.094	9/7/2023	6.29	No	22	6.579	0.2388	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.439	4.633	9/6/2023	6.02	No	22	5.536	0.4447	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**9/6/2023**	**4.06**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.359	4.682	9/1/2023	4.99	No	21	5.02	0.1655	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-308	7.012	5.586	9/7/2023	6.77	No	22	6.299	0.3511	0	None	No	0.000752	Param Intra 1 of 2

Appendix III - 300 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:25 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-303**	**0.081**	**n/a**	**9/7/2023**	**4.4**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**9/6/2023**	**1.7**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-305**	**0.081**	**n/a**	**9/6/2023**	**0.17**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**9/7/2023**	**3.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-303**	**1.549**	**n/a**	**9/7/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.549**	**n/a**	**9/6/2023**	**80**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.549**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.549**	**n/a**	**9/7/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.931**	**n/a**	**9/6/2023**	**7.2**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.931**	**n/a**	**9/7/2023**	**30**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.931**	**n/a**	**9/6/2023**	**34**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.931**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.931**	**n/a**	**9/7/2023**	**26**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**9/7/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**9/6/2023**	**0.4**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**9/7/2023**	**0.18**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**9/7/2023**	**150**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**9/6/2023**	**210**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**9/6/2023**	**170**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**9/7/2023**	**140**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**9/7/2023**	**400**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**9/6/2023**	**540**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**9/6/2023**	**340**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**9/7/2023**	**380**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**

Appendix III - 300 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:25 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-300	0.081	n/a	9/6/2023	0.048J	No	138	n/a	n/a	69.57	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**9/7/2023**	**4.4**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**9/6/2023**	**1.7**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-305**	**0.081**	**n/a**	**9/6/2023**	**0.17**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**9/7/2023**	**3.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.549	n/a	9/6/2023	0.67	No	138	-0.3663	0.449	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.549**	**n/a**	**9/7/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.549**	**n/a**	**9/6/2023**	**80**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.549**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.549**	**n/a**	**9/7/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.931**	**n/a**	**9/6/2023**	**7.2**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.931**	**n/a**	**9/7/2023**	**30**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.931**	**n/a**	**9/6/2023**	**34**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.931**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.931**	**n/a**	**9/7/2023**	**26**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**9/7/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**9/6/2023**	**0.4**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**9/7/2023**	**0.18**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5.5	n/a	9/6/2023	5ND	No	137	n/a	n/a	75.91	n/a	n/a	0.000105	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**9/7/2023**	**150**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**9/6/2023**	**210**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**9/6/2023**	**170**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**9/7/2023**	**140**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	9/6/2023	22	No	138	n/a	n/a	20.29	n/a	n/a	0.0001032	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**9/7/2023**	**400**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**9/6/2023**	**540**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**9/6/2023**	**340**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**9/7/2023**	**380**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**

Appendix III - 100 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.06278**	**137**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-104**	**4.423**	**156**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4221**	**175**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.283**	**161**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-105**	**0.05023**	**151**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-103**	**-1.701**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 100 Series - Trend Tests - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	56	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-79	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.01462	-43	-105	No	24	12.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.1615	39	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.008847	7	105	No	24	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	18	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	48	98	No	23	60.87	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.06278**	**137**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.1627	100	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-84	-98	No	23	73.91	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-83	-98	No	23	73.91	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.004517	-33	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-103	-0.09779	-76	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-104**	**4.423**	**156**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-105	0.1842	15	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01923	-85	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4221**	**175**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	0.3555	24	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.002862	14	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.154	88	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	-0.02879	-11	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-103	0.6255	75	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-104	0	-11	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	-2.26	-84	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.283**	**161**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	-1.925	-22	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.08492	39	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01832	-49	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01762	-43	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01373	65	105	No	24	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-105**	**0.05023**	**151**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-107 (bg)	-0.007849	-13	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01553	-40	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-25	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.01406	-55	-105	No	24	4.167	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	98	No	23	95.65	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	9	98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-7	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-18	-98	No	23	86.96	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-102	0	15	98	No	23	73.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-103**	**-1.701**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-104	27.4	47	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	0.9412	16	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-7	-98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-109	1.516	73	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	4.942	47	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	6	98	No	23	95.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	21	98	No	23	91.3	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	33	98	No	23	13.04	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	17.31	26	105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	-5.899	-29	-105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	81	98	No	23	30.43	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.644	83	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	14.32	35	105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.009	84	98	No	23	21.74	n/a	n/a	0.01	NP

Appendix III - 100 Series - Trend Tests - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	20	98	No	23	17.39	n/a	n/a	0.01	NP

Appendix III - 200 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-4.855**	**-217**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.117**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-12.45**	**-244**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-123.7**	**-222**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-80.94**	**-164**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-358.8**	**-263**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-206.6**	**-194**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-137.9**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-722.5**	**-239**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-43.29**	**-162**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-55.15**	**-191**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-92.81**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-453.2**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1779**	**-214**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 200 Series - Trend Tests - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	56	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-79	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	18	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	48	98	No	23	60.87	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-4.855**	**-217**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.117**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-12.45**	**-244**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-84	-98	No	23	73.91	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-83	-98	No	23	73.91	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.004517	-33	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01923	-85	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-123.7**	**-222**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-80.94**	**-164**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-358.8**	**-263**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.002862	14	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.154	88	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	-0.02879	-11	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-206.6**	**-194**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-137.9**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-722.5**	**-239**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.08492	39	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01832	-49	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01762	-43	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.007849	-13	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01553	-40	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-25	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	98	No	23	95.65	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-206	0.007116	85	105	No	24	16.67	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	9	98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-7	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-18	-98	No	23	86.96	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-7	-98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-43.29**	**-162**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-55.15**	**-191**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-92.81**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	6	98	No	23	95.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	21	98	No	23	91.3	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	33	98	No	23	13.04	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	81	98	No	23	30.43	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.644	83	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-201**	**-453.2**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1779**	**-214**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.009	84	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	20	98	No	23	17.39	n/a	n/a	0.01	NP

Appendix III - 300 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-107 (bg)**	**-0.0233**	**-101**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1003**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05448**	**-132**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.1995**	**101**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.1844**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2439**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1298**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-305**	**-0.05721**	**-101**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1014**	**-114**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.01716**	**145**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4217**	**135**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-19.05**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-305**	**7.552**	**110**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 300 Series - Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-65	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-2	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.06705	26	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2623	76	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-305	0	-6	-92	No	22	31.82	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-68	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-67	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.2587	-53	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.02884	90	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.005298	-45	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-107 (bg)**	**-0.0233**	**-101**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1003**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	2.872	54	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	2.526	26	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-305	0.04803	33	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-2	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05448**	**-132**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-1.259	-33	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.1995**	**101**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.1844**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2439**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-300	-0.02276	-13	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	-1.867	-26	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-5.478	-39	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.09389	34	98	No	23	4.348	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1181	59	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1298**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-308	-0.8824	-7	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01813	-37	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01547	-32	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.01038	-16	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.003783	9	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-305**	**-0.05721**	**-101**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-306 (bg)	-0.01308	-26	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1014**	**-114**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-303	0.01931	79	98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-305	0	42	92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.01716**	**145**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	10	87	No	21	95.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-1	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	11	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4217**	**135**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-303	0	-5	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	3.864	6	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-305	0	54	92	No	22	63.64	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-19.05**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	91	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	30	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.275	66	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.403	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	4.548	9	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	6.171	12	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-305**	**7.552**	**110**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.481	76	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	2	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-14.71	-64	-98	No	23	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 5:54 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0005	n/a	n/a	n/a	n/a	120	100	n/a	0.002122	NP Inter(NDs)
Arsenic (mg/L)	0.0013	n/a	n/a	n/a	n/a	132	84.09	n/a	0.001147	NP Inter(NDs)
Barium (mg/L)	0.023	n/a	n/a	n/a	n/a	132	0	n/a	0.001147	NP Inter(normality)
Beryllium (mg/L)	0.0015	n/a	n/a	n/a	n/a	132	90.15	n/a	0.001147	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	132	100	n/a	0.001147	NP Inter(NDs)
Chromium (mg/L)	0.0088	n/a	n/a	n/a	n/a	131	81.68	n/a	0.001207	NP Inter(NDs)
Cobalt (mg/L)	0.0032	n/a	n/a	n/a	n/a	132	35.61	n/a	0.001147	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	2.794	n/a	n/a	n/a	n/a	132	2.273	ln(x)	0.05	Inter
Fluoride (mg/L)	0.12	n/a	n/a	n/a	n/a	138	94.93	n/a	0.0008431	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	132	94.7	n/a	0.001147	NP Inter(NDs)
Lithium (mg/L)	0.0054	n/a	n/a	n/a	n/a	131	72.52	n/a	0.001207	NP Inter(NDs)
Mercury (mg/L)	0.00025	n/a	n/a	n/a	n/a	132	95.45	n/a	0.001147	NP Inter(NDs)
Molybdenum (mg/L)	0.0042	n/a	n/a	n/a	n/a	132	93.94	n/a	0.001147	NP Inter(NDs)
Selenium (mg/L)	0.0034	n/a	n/a	n/a	n/a	132	78.79	n/a	0.001147	NP Inter(NDs)
Thallium (mg/L)	0.00015	n/a	n/a	n/a	n/a	132	99.24	n/a	0.001147	NP Inter(NDs)

GULF CLEAN ENERGY CENTER GWPS				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0005	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.023	2
Beryllium, Total (mg/L)	0.004		0.0015	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0088	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.79	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0054	0.04
Mercury, Total (mg/L)	0.002		0.00025	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0042	0.1
Selenium, Total (mg/L)	0.05		0.0034	0.05
Thallium, Total (mg/L)	0.002		0.00015	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Appendix IV Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**MW-100 (bg)**	**0.00003752**	**98**	**71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**MW-110**	**0.002086**	**112**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-100 (bg)**	**0.0898**	**82**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**-2.347**	**-154**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**-1.922**	**-95**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**-4.588**	**-180**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Mercury (mg/L)	**MW-110**	**-0.0004557**	**-96**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**MW-303**	**-0.1695**	**-168**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**MW-100 (bg)**	**0.00003752**	**98**	**71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-101 (bg)	0	-52	-71	No	22	72.73	n/a	0.05	NP
Cobalt (mg/L)	MW-104	0.0008156	51	71	No	22	0	n/a	0.05	NP
Cobalt (mg/L)	MW-107 (bg)	-0.00002235	-35	-71	No	22	22.73	n/a	0.05	NP
Cobalt (mg/L)	MW-108 (bg)	0	-40	-71	No	22	63.64	n/a	0.05	NP
Cobalt (mg/L)	**MW-110**	**0.002086**	**112**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-304	-0.001775	-16	-34	No	13	0	n/a	0.05	NP
Cobalt (mg/L)	MW-306 (bg)	0	6	71	No	22	36.36	n/a	0.05	NP
Cobalt (mg/L)	MW-307 (bg)	0.00004589	58	71	No	22	13.64	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**MW-100 (bg)**	**0.0898**	**82**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	MW-101 (bg)	-0.02907	-33	-71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-104	0.2138	23	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-107 (bg)	0.01322	16	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-108 (bg)	0.1312	69	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-110	-0.227	-70	-71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**-2.347**	**-154**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**-1.922**	**-95**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**-4.588**	**-180**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	MW-303	0.06912	26	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-306 (bg)	0.04292	62	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-307 (bg)	0.005038	4	71	No	22	13.64	n/a	0.05	NP
Mercury (mg/L)	MW-100 (bg)	0	0	71	No	22	100	n/a	0.05	NP
Mercury (mg/L)	MW-101 (bg)	0	5	71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	MW-107 (bg)	0	46	71	No	22	86.36	n/a	0.05	NP
Mercury (mg/L)	MW-108 (bg)	0	-9	-71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	**MW-110**	**-0.0004557**	**-96**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Mercury (mg/L)	MW-306 (bg)	0	-9	-71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	MW-307 (bg)	0	0	71	No	22	100	n/a	0.05	NP
Molybdenum (mg/L)	MW-100 (bg)	0	-23	-71	No	22	90.91	n/a	0.05	NP
Molybdenum (mg/L)	MW-101 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-107 (bg)	0	3	71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-108 (bg)	0	-13	-71	No	22	90.91	n/a	0.05	NP
Molybdenum (mg/L)	**MW-303**	**-0.1695**	**-168**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	MW-306 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-307 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP

Appendix IV - 100 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02189**	**0.01584**	**0.006**	**Yes**	**22**	**0.01886**	**0.005634**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-110**	**0.01508**	**0.007251**	**0.006**	**Yes**	**22**	**0.01116**	**0.00729**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**17.93**	**13.49**	**5**	**Yes**	**22**	**15.71**	**4.133**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.911**	**5.511**	**5**	**Yes**	**22**	**6.211**	**1.304**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.00559**	**0.00211**	**0.002**	**Yes**	**8**	**0.00385**	**0.001641**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	No	22	0.001264	0.0001706	95.45	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	No	22	0.00125	0.000341	86.36	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.006678	0.002846	0.01	No	22	0.004762	0.00357	4.545	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.0047	0.0036	0.01	No	22	0.004627	0.001656	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-109	0.0013	0.0011	0.01	No	22	0.001206	0.0002778	86.36	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00056	0.01	No	22	0.0009909	0.0004324	63.64	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.012	0.0089	2	No	22	0.01102	0.004475	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.05438	0.03653	2	No	22	0.04545	0.01664	0	None	No	0.01	Param.
Barium (mg/L)	MW-104	0.02624	0.02112	2	No	22	0.02368	0.004765	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04394	0.03324	2	No	22	0.03859	0.00997	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.01202	0.01017	2	No	22	0.01114	0.001793	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-109	0.02287	0.01849	2	No	22	0.02068	0.004075	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04248	0.03125	2	No	22	0.03686	0.01046	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	No	22	0.002391	0.0005095	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001151	0.0008047	0.004	No	22	0.0009777	0.0003223	13.64	None	No	0.01	Param.
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	No	22	0.002388	0.0005236	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	No	22	0.002282	0.0007042	90.91	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00052	0.005	No	22	0.0016	0.001011	54.55	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	No	22	0.00239	0.0005164	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	No	22	0.002292	0.0006731	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.0012	0.1	No	22	0.00253	0.0009937	81.82	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.003	0.0011	0.1	No	22	0.002665	0.00167	72.73	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.002085	0.001391	0.1	No	22	0.00215	0.0005152	31.82	Kaplan-Meier	x^2	0.01	Param.
Chromium (mg/L)	MW-105	0.002543	0.001855	0.1	No	22	0.002199	0.0006408	4.545	None	No	0.01	Param.
Chromium (mg/L)	MW-106	0.0044	0.0019	0.1	No	22	0.002559	0.0004306	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0061	0.0025	0.1	No	22	0.003277	0.002943	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	No	22	0.002269	0.0006315	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00088	0.006	No	22	0.002217	0.0007396	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00064	0.006	No	22	0.001846	0.0009927	68.18	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02189**	**0.01584**	**0.006**	**Yes**	**22**	**0.01886**	**0.005634**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	22	0.002223	0.0007217	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00055	0.006	No	22	0.00128	0.0009568	36.36	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.007455	0.00424	0.006	No	22	0.005848	0.002994	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-110**	**0.01508**	**0.007251**	**0.006**	**Yes**	**22**	**0.01116**	**0.00729**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-102	1.64	1.2	5	No	22	1.718	1.062	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-103	6.386	4.749	5	No	22	5.567	1.525	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**17.93**	**13.49**	**5**	**Yes**	**22**	**15.71**	**4.133**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	3.928	2.538	5	No	22	3.233	1.295	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.362	0.8524	5	No	22	1.107	0.4751	4.545	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	3.056	1.9	5	No	22	2.478	1.077	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.911**	**5.511**	**5**	**Yes**	**22**	**6.211**	**1.304**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-103	0.24	0.037	4	No	23	0.1033	0.03255	91.3	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3426	0.2415	4	No	24	0.2921	0.09908	4.167	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	23	0.08309	0.0268	69.57	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.05	4	No	23	0.09783	0.01043	95.65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	23	0.08039	0.0281	65.22	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	No	22	0.001196	0.0003355	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	No	22	0.001246	0.0002537	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002281	0.001856	0.015	No	22	0.002068	0.0003957	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	No	22	0.001229	0.0002612	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	No	22	0.001259	0.000194	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.0012	0.015	No	22	0.001158	0.0003673	81.82	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0013	0.0004	0.015	No	22	0.001082	0.0004122	77.27	None	No	0.01	NP (NDs)

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	No	22	0.004477	0.001349	86.36	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0017	0.04	No	22	0.003471	0.001671	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.0302	0.0193	0.04	No	22	0.02545	0.0112	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	No	22	0.00479	0.0009829	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.005	0.0035	0.04	No	22	0.004287	0.001756	72.73	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006457	0.004843	0.04	No	22	0.00565	0.001503	9.091	None	No	0.01	Param.
Lithium (mg/L)	MW-110	0.012	0.0074	0.04	No	22	0.01304	0.01786	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	22	0.0001904	0.00003119	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	No	22	0.0002136	0.00009266	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001132	0.0006377	0.002	No	22	0.0009255	0.0005117	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	22	0.0001945	0.00002558	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.00047	0.0002	0.002	No	22	0.0005385	0.0007101	59.09	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.00559**	**0.00211**	**0.002**	**Yes**	**8**	**0.00385**	**0.001641**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.00091	0.1	No	22	0.01436	0.003004	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.00092	0.1	No	22	0.01436	0.003002	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005607	0.003548	0.1	No	22	0.004577	0.001918	4.545	None	No	0.01	Param.
Molybdenum (mg/L)	MW-106	0.015	0.00068	0.1	No	22	0.01435	0.003053	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.0009	0.1	No	22	0.01436	0.003006	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0016	0.0011	0.05	No	22	0.001241	0.0008208	63.64	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.002685	0.001743	0.05	No	22	0.002214	0.0008781	4.545	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01242	0.006358	0.05	No	22	0.009386	0.005643	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.00041	0.05	No	22	0.000955	0.0004579	54.55	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.0016	0.0012	0.05	No	22	0.001309	0.00006838	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0015	0.00035	0.05	No	22	0.0012	0.0004108	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.0038	0.0032	0.05	No	22	0.003614	0.0008385	0	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	No	22	0.0004868	0.00006183	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	No	22	0.0004625	0.0001227	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.000343	0.0002506	0.002	No	22	0.0002968	0.00008604	13.64	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	No	22	0.0004709	0.00009596	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	No	22	0.0004827	0.00008102	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002694	0.0002165	0.002	No	22	0.0003068	0.0001028	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.

Appendix IV - 200 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**9.297**	**5.091**	**5**	**Yes**	**8**	**7.194**	**1.984**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 200 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	20	0.00235	0.0004617	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	20	0.00243	0.000313	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.001881	0.0005979	0.01	No	22	0.001877	0.001521	36.36	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0033	0.0009	0.01	No	22	0.002598	0.002694	54.55	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-206	0.005816	0.001604	0.01	No	22	0.005431	0.006007	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-200	0.05698	0.03232	2	No	22	0.04465	0.02298	4.545	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06039	0.03606	2	No	22	0.04823	0.02266	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.09276	0.0518	2	No	22	0.07228	0.03815	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	22	0.002388	0.0005234	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	22	0.002389	0.0005183	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	No	22	0.002019	0.0009125	77.27	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	21	0.002015	0.0008218	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.0084	0.0013	0.005	No	22	0.005057	0.00533	9.091	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0026	0.00065	0.005	No	22	0.001878	0.001028	22.73	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-201	0.0025	0.002	0.1	No	19	0.002363	0.0003609	84.21	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	No	19	0.002505	0.00002294	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001303	0.0006711	0.006	No	22	0.001151	0.0007022	22.73	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-201	0.002407	0.001263	0.006	No	22	0.001941	0.001259	9.091	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004327	0.002134	0.006	No	22	0.00323	0.002043	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-200	8.728	1.777	5	No	8	5.107	3.698	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-201	9.662	4.58	5	No	8	7.121	2.397	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**9.297**	**5.091**	**5**	**Yes**	**8**	**7.194**	**1.984**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.06	4	No	23	0.09865	0.06292	30.43	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.6612	0.3838	4	No	24	0.5225	0.2719	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.07675	0.04694	4	No	24	0.07779	0.03537	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-200	0.00115	0.0006241	0.015	No	22	0.0011	0.0004571	31.82	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	22	0.001047	0.0003838	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.0086	0.00076	0.015	No	22	0.004315	0.004055	13.64	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	22	0.004823	0.00157	81.82	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.0053	0.0043	0.04	No	22	0.006273	0.006595	27.27	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0029	0.04	No	22	0.004568	0.001149	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.001829	0.0007152	0.002	No	22	0.001272	0.001038	13.64	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.001076	0.0002797	0.002	No	22	0.001043	0.001037	13.64	None	ln(x)	0.01	Param.
Mercury (mg/L)	MW-206	0.00034	0.00016	0.002	No	22	0.0003195	0.0002391	45.45	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	20	0.01464	0.00161	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	20	0.01432	0.003019	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	20	0.0143	0.003148	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.009584	0.003699	0.05	No	22	0.007436	0.00585	9.091	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.009038	0.003511	0.05	No	22	0.007016	0.005557	4.545	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01634	0.009753	0.05	No	22	0.01305	0.006138	4.545	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0005	0.00018	0.002	No	22	0.0003699	0.0001696	45.45	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-201	0.0005	0.00016	0.002	No	22	0.0003486	0.0001675	22.73	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-206	0.0006288	0.0003185	0.002	No	22	0.0005495	0.0002732	22.73	Kaplan-Meier	No	0.01	Param.

Appendix IV - 300 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.34**	**5.4**	**5**	**Yes**	**22**	**6.033**	**1.819**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**MW-303**	**0.6462**	**0.3113**	**0.1**	**Yes**	**8**	**0.4788**	**0.158**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 300 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-303	0.0015	0.0012	0.01	No	20	0.001261	0.0004027	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-304	0.0019	0.00062	0.01	No	17	0.001645	0.001464	35.29	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-305	0.00048	0.00025	0.01	No	20	0.007049	0.02117	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0023	0.0011	0.01	No	20	0.001298	0.0003031	85	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.011	2	No	22	0.0115	0.0009129	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04895	0.03278	2	No	22	0.04086	0.01506	0	None	No	0.01	Param.
Barium (mg/L)	MW-304	0.04097	0.02876	2	No	22	0.03486	0.01137	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	22	0.02191	0.008793	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.0267	0.02176	2	No	22	0.02423	0.004597	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	19	0.002372	0.0005566	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.001	0.004	No	19	0.002324	0.0005296	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	22	0.00239	0.000517	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00041	0.005	No	22	0.001394	0.001038	45.45	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0042	0.001	0.005	No	22	0.002429	0.0006234	86.36	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0029	0.00091	0.005	No	22	0.002336	0.0006161	86.36	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	22	0.00239	0.000514	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0012	0.1	No	19	0.002495	0.000417	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0014	0.1	No	19	0.002374	0.0003798	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0021	0.1	No	19	0.002363	0.0003578	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.002	0.1	No	19	0.002295	0.0004339	73.68	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.0022	0.1	No	19	0.002396	0.0003877	89.47	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	22	0.00212	0.0008354	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00059	0.006	No	22	0.001551	0.0009747	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-304	0.03355	0.00565	0.006	No	13	0.03528	0.07985	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	MW-305	0.0025	0.00045	0.006	No	22	0.00385	0.00792	31.82	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	22	0.002327	0.0005606	90.91	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.456	4.654	5	No	22	4.996	0.8871	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.34**	**5.4**	**5**	**Yes**	**22**	**6.033**	**1.819**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	MW-304	6.601	4.047	5	No	22	5.324	2.379	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.9	1.24	5	No	22	2.997	4.408	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-308	2.924	2.212	5	No	22	2.568	0.6635	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	23	0.09743	0.0123	95.65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2413	0.1695	4	No	24	0.2054	0.07034	4.167	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.07	4	No	23	0.12	0.1309	52.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-305	0.4	0.035	4	No	23	0.3338	0.9438	78.26	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1436	0.09225	4	No	24	0.1179	0.0503	4.167	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.00039	0.015	No	19	0.001188	0.0003392	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	19	0.001237	0.000273	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00048	0.015	No	19	0.001053	0.000402	63.16	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-305	0.0019	0.0011	0.015	No	19	0.001321	0.0001475	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0036	0.04	No	22	0.004375	0.001459	81.82	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02702	0.02091	0.04	No	22	0.0233	0.006559	4.545	None	x^2	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0044	0.04	No	22	0.004536	0.001702	68.18	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-305	0.005	0.0025	0.04	No	22	0.00436	0.001568	77.27	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0021	0.04	No	22	0.004345	0.001433	81.82	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-300	0.0002	0.00019	0.002	No	22	0.0001995	0.000002132	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.000467	0.0001779	0.002	No	22	0.0003985	0.0003052	31.82	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-305	0.00046	0.0002	0.002	No	22	0.0004095	0.0005862	77.27	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.00042	0.000087	0.002	No	22	0.0002049	0.00005374	90.91	Kaplan-Meier	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**0.6462**	**0.3113**	**0.1**	**Yes**	**8**	**0.4788**	**0.158**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0056	0.1	No	22	0.01146	0.005373	68.18	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	22	0.01372	0.004134	90.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.0077	0.1	No	22	0.01234	0.005142	77.27	None	No	0.01	NP (NDs)

Appendix IV - 300 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	MW-300	0.0045	0.00087	0.05	No	22	0.001426	0.0006927	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006194	0.003843	0.05	No	22	0.005018	0.00219	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006205	0.003957	0.05	No	21	0.005081	0.002038	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.02	0.00077	0.05	No	22	0.01355	0.04499	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.0057	0.003473	0.05	No	22	0.004745	0.002256	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-303	0.00038	0.00018	0.002	No	22	0.0002782	0.0001321	22.73	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0005	0.00015	0.002	No	22	0.0002752	0.0001636	31.82	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-308	0.0002751	0.0002059	0.002	No	22	0.0003141	0.0001154	22.73	Kaplan-Meier	sqrt(x)	0.01	Param.

Prediction Limits - 100, 200 & 300 Series

100 Series

Appendix III - 100 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:09 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-103	0.081	n/a	9/6/2023	0.31	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	9/6/2023	11	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	9/7/2023	0.82	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	9/6/2023	0.58	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	9/6/2023	4.5	Yes	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.6	n/a	9/6/2023	3.7	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.6	n/a	9/6/2023	73	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.6	n/a	9/7/2023	63	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.6	n/a	9/6/2023	5.7	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.6	n/a	9/6/2023	30	Yes	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	7.002	n/a	9/6/2023	7.6	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	7.002	n/a	9/6/2023	88	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	7.002	n/a	9/7/2023	20	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	7.002	n/a	9/6/2023	29	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	7.002	n/a	9/6/2023	93	Yes	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	5.98	4.5	9/6/2023	4.17	Yes	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-105	5.98	4.5	9/7/2023	6.36	Yes	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	9/6/2023	0.22	Yes	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5.5	n/a	9/7/2023	12	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5.5	n/a	9/6/2023	20	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5.5	n/a	9/6/2023	350	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5.5	n/a	9/7/2023	43	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5.5	n/a	9/6/2023	31	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5.5	n/a	9/6/2023	260	Yes	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	9/6/2023	1000	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	9/7/2023	270	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	9/6/2023	600	Yes	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2

Appendix III - 100 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:09 PM

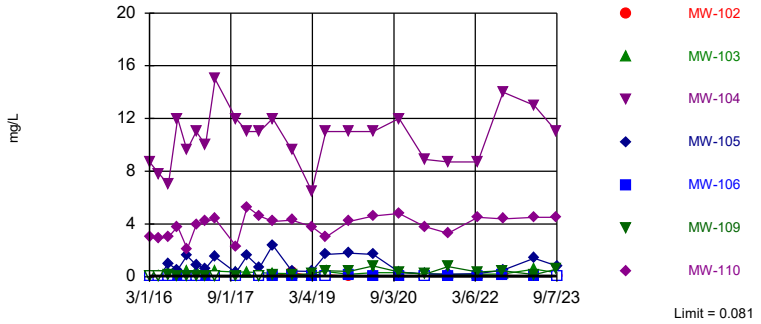
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	9/7/2023	0.05ND	No	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**9/6/2023**	**0.31**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**9/7/2023**	**0.82**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	9/7/2023	0.05ND	No	138	n/a	n/a	69.57	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**9/6/2023**	**0.58**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**9/6/2023**	**4.5**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.6	n/a	9/7/2023	0.34	No	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.6**	**n/a**	**9/6/2023**	**3.7**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.6**	**n/a**	**9/6/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.6**	**n/a**	**9/7/2023**	**63**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.6	n/a	9/7/2023	0.55	No	138	-0.3663	0.449	0	None	ln(x)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.6**	**n/a**	**9/6/2023**	**5.7**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.6**	**n/a**	**9/6/2023**	**30**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	7.002	n/a	9/7/2023	5	No	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**7.002**	**n/a**	**9/6/2023**	**7.6**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**7.002**	**n/a**	**9/6/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**7.002**	**n/a**	**9/7/2023**	**20**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	7.002	n/a	9/7/2023	4.2	No	138	5.174	0.9811	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**7.002**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**7.002**	**n/a**	**9/6/2023**	**93**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	5.98	4.5	9/7/2023	4.76	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	5.98	4.5	9/6/2023	4.92	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**5.98**	**4.5**	**9/6/2023**	**4.17**	**Yes**	**134**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002203**	**NP Inter (normality) 1 of 2**
Field pH (SU)	**MW-105**	**5.98**	**4.5**	**9/7/2023**	**6.36**	**Yes**	**134**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002203**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-106	5.98	4.5	9/7/2023	4.96	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	5.98	4.5	9/6/2023	4.96	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	5.98	4.5	9/6/2023	4.75	No	134	n/a	n/a	0	n/a	n/a	0.0002203	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**9/6/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001031**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	9/7/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001031	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-102**	**5.5**	**n/a**	**9/7/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-103**	**5.5**	**n/a**	**9/6/2023**	**20**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5.5**	**n/a**	**9/6/2023**	**350**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5.5**	**n/a**	**9/7/2023**	**43**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5.5	n/a	9/7/2023	5ND	No	137	n/a	n/a	75.91	n/a	n/a	0.0001049	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5.5**	**n/a**	**9/6/2023**	**31**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5.5**	**n/a**	**9/6/2023**	**260**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001049**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	9/7/2023	26	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	9/6/2023	62	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**9/6/2023**	**1000**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**9/7/2023**	**270**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	9/7/2023	6	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	9/6/2023	110	No	138	n/a	n/a	20.29	n/a	n/a	0.0001031	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**9/6/2023**	**600**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001031**	**NP Inter (normality) 1 of 2**

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 69.57% NDs. Annual per-constituent alpha = 0.001442. Individual comparison alpha = 0.0001031 (1 of 2). Comparing 7 points to limit.

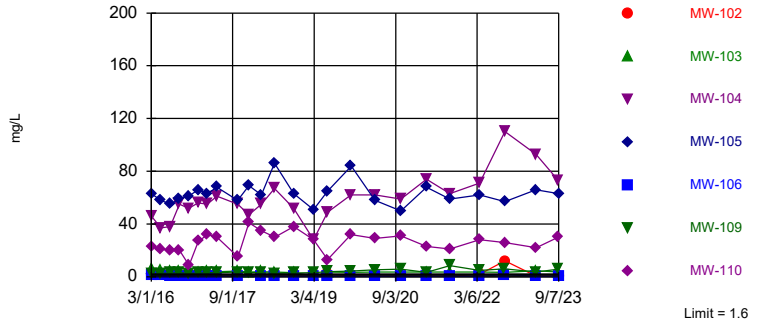
Constituent: Boron Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3663, Std. Dev.=0.449, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 6.493, critical = 14.07. Kappa = 1.863 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

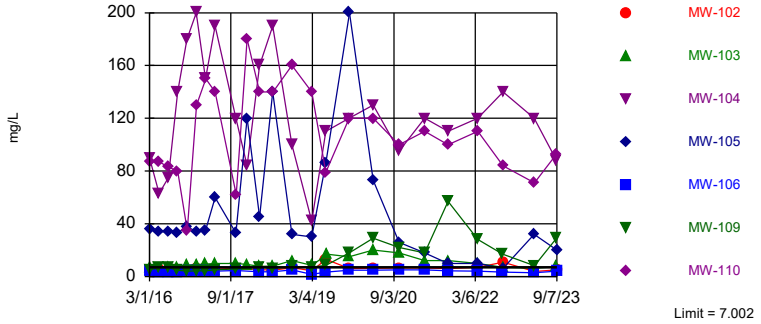
Constituent: Calcium Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.174, Std. Dev.=0.9811, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 9.101, critical = 14.07. Kappa = 1.863 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

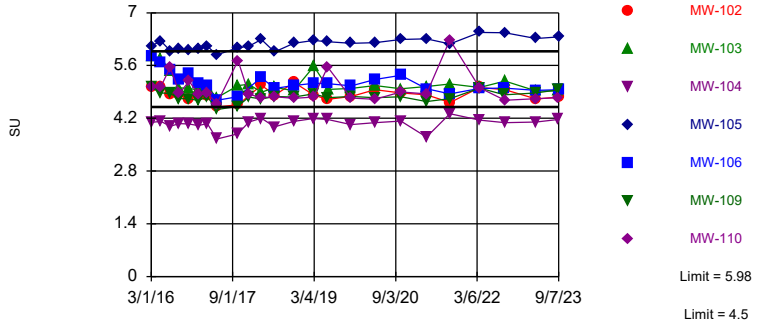
Constituent: Chloride Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limits: MW-104, MW-105

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 134 background values. Annual per-constituent alpha = 0.003082. Individual comparison alpha = 0.0002203 (1 of 2). Comparing 7 points to limit.

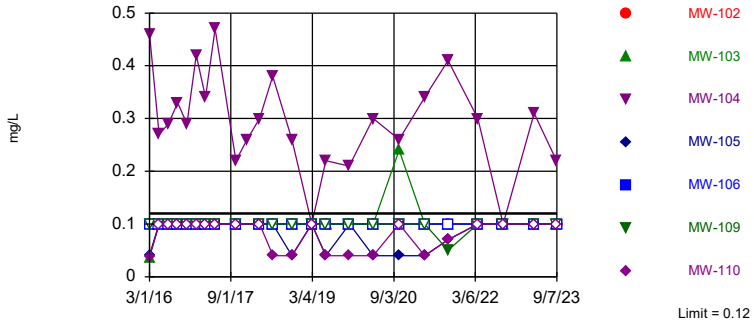
Constituent: Field pH Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 94.93% NDs. Annual per-constituent alpha = 0.001442. Individual comparison alpha = 0.0001031 (1 of 2). Comparing 7 points to limit.

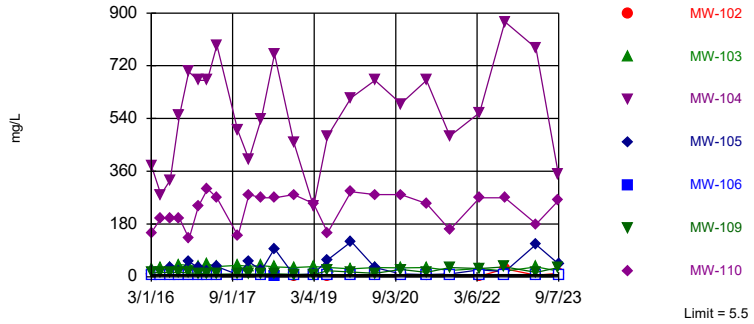
Constituent: Fluoride Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-102, MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 137 background values. 75.91% NDs. Annual per-constituent alpha = 0.001467. Individual comparison alpha = 0.0001049 (1 of 2). Comparing 7 points to limit.

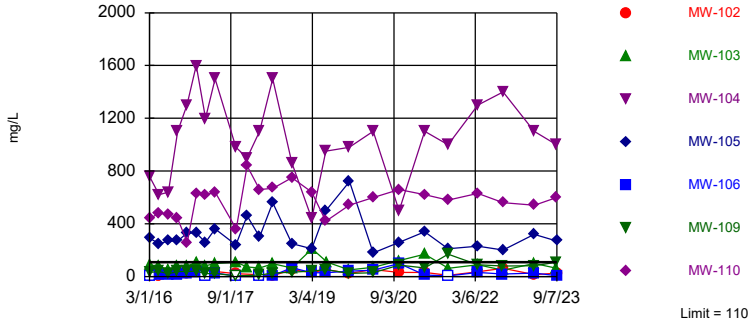
Constituent: Sulfate Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104, MW-105, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 138 background values. 20.29% NDs. Annual per-constituent alpha = 0.001442. Individual comparison alpha = 0.0001031 (1 of 2). Comparing 7 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:08 PM View: 100 Series - Interwell
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05 (*)	8.7	<0.05	<0.05	<0.05
3/2/2016									
5/2/2016	<0.05	<0.05	<0.05						<0.05
5/3/2016								<0.05	
5/4/2016				<0.05					
5/5/2016					<0.05 (*)	7.8	<0.05		
7/5/2016	<0.05	<0.05	<0.05					<0.05	<0.05
7/7/2016					1	7	<0.05		
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05
9/7/2016					0.53	12			
11/7/2016	<0.05	<0.05	<0.05					<0.05	<0.05
11/9/2016					1.6	9.6			
11/10/2016				<0.05			<0.05		
1/9/2017	<0.05	<0.05	<0.05					<0.05	<0.05
1/11/2017				<0.05	0.9	11			
1/12/2017							<0.05		
3/13/2017	<0.05	<0.05	0.022 (J)					<0.05	<0.05
3/14/2017				<0.05	0.63	10			
3/15/2017							<0.05		
5/15/2017	<0.05	<0.05	<0.05					<0.05	<0.05
5/18/2017				<0.05	1.5	15	<0.05		
10/2/2017	<0.05	<0.05	0.023 (J)					<0.05	<0.05
10/5/2017				<0.05	0.32	12			
10/6/2017							<0.05		
12/19/2017					1.6 (R)	11 (R)			
3/12/2018	<0.05	<0.05	<0.05					<0.05	<0.05
3/14/2018				<0.05	0.7	11	<0.05		
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018								<0.05	<0.05
6/10/2018				<0.05	2.4	12			
6/11/2018							<0.05		
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018								<0.05	<0.05
10/18/2018				0.081	0.43	9.6			
10/19/2018							0.34		
2/27/2019	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05
3/1/2019					0.4	6.5			
3/2/2019							<0.05		
5/31/2019	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05
6/3/2019					1.7	11	0.17		
6/11/2019									
11/6/2019	0.017 (V)	0.016 (V)	0.022 (V)	0.016 (V)				0.011 (V)	0.0099 (J)
11/7/2019						11			
11/9/2019					1.8		0.023 (J)		
4/16/2020	0.02	0.013	0.017	0.013				0.0075 (J)	0.0055 (J)
4/17/2020									
4/18/2020					1.7	11	0.012		
10/7/2020	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05
10/8/2020					0.37	12	0.033 (J)		
10/9/2020									

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05
3/30/2021					0.22		<0.05		
3/31/2021						8.9			
9/2/2021	0.021 (J)	0.018 (J)	0.022 (J)	<0.05				<0.05	<0.05
9/3/2021					0.2	8.7			
9/7/2021							<0.05		
3/22/2022	0.013	0.013	0.017	0.012				0.009 (J)	0.0063 (J)
3/23/2022					0.23	8.7	0.017		
3/24/2022									
9/7/2022	0.031 (J)	0.031 (J)		0.029 (J)					
9/8/2022			0.055					0.027 (J)	0.025 (J)
9/9/2022					0.5	14	0.13		
4/6/2023	0.021 (J)	0.038 (J)	0.035 (J)	0.048 (J)					0.012 (J)
4/7/2023					1.4	13		0.011 (J)	
4/10/2023							0.015 (J)		
9/1/2023	0.021	0.023	0.025	0.02				0.016	0.016
9/6/2023						11			
9/7/2023					0.82		<0.05		

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	<0.05 (*)	<0.05		
3/2/2016			<0.05 (*)	3
5/2/2016				
5/3/2016				
5/4/2016		<0.05 (*)		
5/5/2016	<0.05 (*)		<0.05 (*)	2.9
7/5/2016				
7/7/2016	0.33		0.1	3
7/8/2016		<0.05		
9/6/2016				
9/7/2016	0.37	0.022 (J)	0.073	3.8
11/7/2016				
11/9/2016		<0.05		
11/10/2016	0.43		0.073	2.1
1/9/2017				
1/11/2017		<0.05		
1/12/2017	0.44		0.059	4
3/13/2017				
3/14/2017		0.071	0.044 (J)	
3/15/2017	0.46			4.2
5/15/2017				
5/18/2017	0.44	<0.05 (*)	<0.05 (*)	4.4
10/2/2017				
10/5/2017		<0.05	0.047 (J)	
10/6/2017	0.37			2.3
12/19/2017	0.35 (R)			5.3 (R)
3/12/2018				
3/14/2018	0.32	<0.05	<0.05	4.6
6/5/2018				
6/6/2018				
6/10/2018		0.066		
6/11/2018	0.26		0.11	4.2
10/16/2018				
10/17/2018				
10/18/2018	0.25	0.067	0.15	4.3
10/19/2018				
2/27/2019				
3/1/2019		0.048 (J)	0.23	3.8
3/2/2019	<0.05			
5/31/2019				
6/3/2019		<0.05	0.45	3
6/11/2019	0.39			
11/6/2019				
11/7/2019	0.19		0.42	4.2
11/9/2019		0.097 (V)		
4/16/2020				
4/17/2020	0.31	0.07	0.83	4.6
4/18/2020				
10/7/2020				
10/8/2020	0.31	0.031 (J)		
10/9/2020			0.37	4.8

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
3/29/2021				
3/30/2021	0.23	<0.05		
3/31/2021			0.2	3.8
9/2/2021				
9/3/2021		0.021 (J)	0.77	3.3
9/7/2021	0.19			
3/22/2022				
3/23/2022		0.0074 (J)	0.36	4.5
3/24/2022	0.2			
9/7/2022				
9/8/2022		0.097	0.45	
9/9/2022	0.22			4.4
4/6/2023				
4/7/2023		0.019 (J)		
4/10/2023	0.58		0.16	4.5
9/1/2023				
9/6/2023	0.31		0.58	4.5
9/7/2023		<0.05		

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	1	0.67	1.4	1 (J)					
3/1/2016					63	46	0.99 (J)	0.6	1.5
3/2/2016									
5/2/2016	0.78	0.58	1.1						0.83
5/3/2016								0.55	
5/4/2016				0.62					
5/5/2016					58	37	1.2		
7/5/2016	0.65	0.43	0.94					0.53	1.6
7/7/2016					55	38	1.1		
7/8/2016				0.4					
9/6/2016	0.7	0.48	1	0.45			1	0.5	1.6
9/7/2016					59	55			
11/7/2016	0.8	0.56	1.2					0.68	1.5
11/9/2016					61	52			
11/10/2016				0.44			0.73		
1/9/2017	0.74	0.43	1.2					0.56	0.98
1/11/2017				0.42	66	56			
1/12/2017							0.63		
3/13/2017	0.78	0.48	1.3					0.62	0.75
3/14/2017				0.42	63	55			
3/15/2017							0.72		
5/15/2017	0.76	0.37	1					0.58	0.83
5/18/2017				0.38	68	61	0.71		
10/2/2017	0.78	0.47	1.2					0.62	0.83
10/5/2017				0.39	58	55			
10/6/2017							0.56		
12/19/2017					69 (R)	47 (R)			
3/12/2018	0.88	0.49	1.4					0.59	0.71
3/14/2018				0.49	62	55	0.63		
6/5/2018	0.9	0.49	1.2						
6/6/2018								0.59	0.68
6/10/2018				0.39	86	67			
6/11/2018							0.55		
10/16/2018	0.86	0.42	1.4						
10/17/2018								0.54	0.66
10/18/2018				0.41	63	52			
10/19/2018							0.37		
2/27/2019	0.96	0.56	1.3	0.44				0.63	0.7
3/1/2019					51	28			
3/2/2019							0.57		
5/31/2019	0.76	0.33	1.1	0.28				0.45	0.52
6/3/2019					65	49	2		
6/11/2019									
11/6/2019	0.88	0.49	1.2	0.46				0.55	0.74
11/7/2019						62			
11/9/2019					84		0.61 (V)		
4/16/2020	0.84	0.36	1.3	0.38				0.53	0.59
4/17/2020									
4/18/2020					58	62	0.45		
10/7/2020	0.93	0.43	1.6	0.47				0.63	0.67
10/8/2020					50	59	0.67		
10/9/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
3/29/2021	1	0.46	1.6	0.43				0.68	0.75
3/30/2021					68		0.47		
3/31/2021						74			
9/2/2021	1.1	0.47	1.5	0.63				0.56	0.73
9/3/2021					59	63			
9/7/2021							0.39		
3/22/2022	0.9	0.33	1.6	0.38				0.81	0.7
3/23/2022					62	71	2		
3/24/2022									
9/7/2022	1	0.61		0.6					
9/8/2022			2.1					0.69	0.82
9/9/2022					57	110	12		
4/6/2023	0.81	0.32	2.1	0.42					0.68
4/7/2023					66	93		0.49	
4/10/2023							0.46		
9/1/2023	0.88	0.33	2.1	0.39				0.52	0.66
9/6/2023						73			
9/7/2023					63		0.34		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	5.6	1.8		
3/2/2016			23	2
5/2/2016				
5/3/2016				
5/4/2016		1.1		
5/5/2016	5.4		21	2.6
7/5/2016				
7/7/2016	3.9		20	2.9
7/8/2016		0.82		
9/6/2016				
9/7/2016	4.2	0.57	20	3.1
11/7/2016				
11/9/2016		0.62		
11/10/2016	3.5		8.7	2.7
1/9/2017				
1/11/2017		0.44		
1/12/2017	3.3		27	2.9
3/13/2017				
3/14/2017		0.46		3.1
3/15/2017	4.1		32	
5/15/2017				
5/18/2017	3.9	0.41	30	3
10/2/2017				
10/5/2017		0.39		3.7
10/6/2017	4.3		15	
12/19/2017	3.7 (R)		41 (R)	3.1 (R)
3/12/2018				
3/14/2018	3.9	0.47	35	3.1
6/5/2018				
6/6/2018				
6/10/2018		0.39		
6/11/2018	3.5		30	2.6
10/16/2018				
10/17/2018				
10/18/2018	3.1	0.47	38	2.8
10/19/2018				
2/27/2019				
3/1/2019		0.46	28	3.1
3/2/2019	0.56			
5/31/2019				
6/3/2019		0.38	13	3.9
6/11/2019	3.5			
11/6/2019				
11/7/2019	3.4		32	4.3
11/9/2019		0.56 (V)		
4/16/2020				
4/17/2020	3.5	0.42	29	5.2
4/18/2020				
10/7/2020				
10/8/2020	3.7	0.51		
10/9/2020			31	5.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-110	MW-109
3/29/2021				
3/30/2021	3.6	0.49		
3/31/2021			23	3.3
9/2/2021				
9/3/2021		0.51	21	8.4
9/7/2021	3.5			
3/22/2022				
3/23/2022		0.48	28	4.8
3/24/2022	3.6			
9/7/2022				
9/8/2022		1.6		6
9/9/2022	3.3		26	
4/6/2023				
4/7/2023		0.48		
4/10/2023	4.5		22	3.7
9/1/2023				
9/6/2023	3.7		30	5.7
9/7/2023		0.55		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.3	8.1	7.4	5.4					
3/1/2016					36	90	4.8	5.6	4
3/2/2016									
5/2/2016	4.4	6	6.3						3.6
5/3/2016								5.1	
5/4/2016				4.5					
5/5/2016					34	63	5.6		
7/5/2016	4.2	5.2	4.8					4.7	3.6
7/7/2016					34	75	5		
7/8/2016				4.9					
9/6/2016	4.3	5.5	6	4.3			4.8	4.4	4
9/7/2016					33	140			
11/7/2016	4.2	5.4	5.7					4.6	4.4
11/9/2016					38	180			
11/10/2016				4.5			4.7		
1/9/2017	5.3	6.1	6.8					5.3	4.4
1/11/2017				5.3	34	200			
1/12/2017							5.6		
3/13/2017	5.2	5.5	6.8					5.6	4.1
3/14/2017				5.5	35	150			
3/15/2017							5.9		
5/15/2017	4.8	4.7	6.1					5.2	3.7
5/18/2017				5	60	190	5.7		
10/2/2017	5.5	6.1	6					5.5	4.8
10/5/2017				5.6	33	120			
10/6/2017							6		
12/19/2017					120 (R)	84 (R)			
3/12/2018	5.3	6.1	5.9					5.6	4
3/14/2018				5.2	45	160	5.2		
6/5/2018	5.3	5.5	6.5						
6/6/2018								5.6	4.1
6/10/2018				5.2	140	190			
6/11/2018							4.9		
10/16/2018	5.5	5.1	5.9						
10/17/2018								5.5	3.7
10/18/2018				5.2	32	100			
10/19/2018							6.7		
2/27/2019	4.6	5	4.3	5.1				5.1	4
3/1/2019					30	42			
3/2/2019							4.4		
5/31/2019	5.1	5.4	4.5	5				5.4	3.7
6/3/2019					86	110	13		
6/11/2019									
11/6/2019	5.8	6.1	5.7	6				5.9	4.7
11/7/2019						120			
11/9/2019					200		6.1		
4/16/2020	6.1	5.3	5.6	5.8				6.2	4.9
4/17/2020									
4/18/2020					73	130	6.3		
10/7/2020	6.6	5.7	5.1	5.9				6.1	4.7
10/8/2020					26	95	6.4		
10/9/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
3/29/2021	10	5.2	5	5.8				6.2	5.4
3/30/2021					18		6.4		
3/31/2021						120			
9/2/2021	5.8	5.1	5.2	5.1				5.9	5.1
9/3/2021					10	110			
9/7/2021							6.1		
3/22/2022	5.9	4.7	8.8	4.9				5.6	4.8
3/23/2022					10	120	6.9		
3/24/2022									
9/7/2022	4.4	3.6		3.4					
9/8/2022			3.4					4.3	5.3
9/9/2022					6.2	140	11		
4/6/2023	4.3	3.8	4.2	3.6					4.2
4/7/2023					32	120		4.1	
4/10/2023							3.9		
9/1/2023	5.5	4.2	4.2	3.9				4.8	4.4
9/6/2023						88			
9/7/2023					20		5		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	6.6	4.4		
3/2/2016			5	87
5/2/2016				
5/3/2016				
5/4/2016		3		
5/5/2016	6.5		6.8	87
7/5/2016				
7/7/2016	7.3		6.7	83
7/8/2016		3.5		
9/6/2016				
9/7/2016	7.4	3.3	4.8	80
11/7/2016				
11/9/2016		3.9		
11/10/2016	8.4		4.2	35
1/9/2017				
1/11/2017		4.1		
1/12/2017	9.2		4.4	130
3/13/2017				
3/14/2017		4	4.4	
3/15/2017	9.5			150
5/15/2017				
5/18/2017	9.9	4	5	140
10/2/2017				
10/5/2017		4.5	5.8	
10/6/2017	10			62
12/19/2017	9.3 (R)			180 (R)
3/12/2018				
3/14/2018	7.7	3.7	6.9	140
6/5/2018				
6/6/2018				
6/10/2018		3.6		
6/11/2018	8		6	140
10/16/2018				
10/17/2018				
10/18/2018	12	5	7.5	160
10/19/2018				
2/27/2019				
3/1/2019		1.7 (J)	7.2	140
3/2/2019	8.5			
5/31/2019				
6/3/2019		3.3	8.5	79
6/11/2019	17			
11/6/2019				
11/7/2019	15		18	120
11/9/2019		4.7		
4/16/2020				
4/17/2020	20	4.8	29	120
4/18/2020				
10/7/2020				
10/8/2020	18	5		
10/9/2020			22	100

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
3/29/2021				
3/30/2021	12	5		
3/31/2021			18	110
9/2/2021				
9/3/2021		4.4	57	100
9/7/2021	12			
3/22/2022				
3/23/2022		4.1	28	110
3/24/2022	9.8			
9/7/2022				
9/8/2022		3.3	17	
9/9/2022	6.9			84
4/6/2023				
4/7/2023		2.8		
4/10/2023	6.3		8.2	71
9/1/2023				
9/6/2023	7.6		29	93
9/7/2023		4.2		

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-104	MW-106	MW-103	MW-102	MW-306 (bg)
2/29/2016	5.11	5.11	4.9	5.26					
3/1/2016					4.09	5.84	5.86	5.03	5.08
3/2/2016									
5/2/2016	4.76	4.77	4.69						
5/3/2016									5.14
5/4/2016				5.1		5.69			
5/5/2016					4.12		5.77	5.03	
7/5/2016	5.12	5.48	7.11 (o)						5.38
7/7/2016					3.99		5.45	4.85	
7/8/2016				4.96		5.49			
9/6/2016	5.11	5.12	5.19	5.43				4.84	5.37
9/7/2016					4.06	5.22	5.01		
11/7/2016	4.76	4.73	4.64						4.92
11/9/2016					4.05	5.39			
11/10/2016				4.89			4.99	4.72	
1/9/2017	4.99	5	4.94						5.05
1/11/2017				4.87	4.01	5.12			
1/12/2017							4.95	4.79	
3/13/2017	4.57	4.74	4.63						4.87
3/14/2017				4.71	4.06	5.05			
3/15/2017							5.03	4.81	
5/15/2017	4.6	4.63	4.52						4.69
5/18/2017				4.5	3.65	4.68	4.75	4.5	
10/2/2017	4.64	4.63	4.54						4.88
10/5/2017				4.63	3.79	4.77			
10/6/2017							5.07	4.56	
12/19/2017					4.1 (R)		5.1 (R)		
3/12/2018	4.85	4.81	4.81						5.07
3/14/2018				5.14	4.2	5.28	4.89	5.08	
6/5/2018	4.92	5.04	4.9						
6/6/2018									5.09
6/10/2018				5.12	3.97	4.99			
6/11/2018							5.02	4.81	
10/16/2018	4.93	4.98	4.81						
10/17/2018									4.99
10/18/2018				4.97	4.12	5.07	4.93		
10/19/2018								5.15	
2/27/2019	4.75	4.78	4.71	4.84					4.87
3/1/2019					4.19	5.13			
3/2/2019							5.58	4.81	
5/31/2019	4.9	4.92	4.84	4.92					4.89
6/3/2019					4.17	5.12		4.7	
6/11/2019							4.97		
11/6/2019	4.82	4.88	4.78	4.94					5.04
11/7/2019					4.03		4.99		
11/9/2019						5.06		4.78	
4/16/2020	5.03	5.15	4.96	5.17					5.13
4/17/2020						5.23	5.07		
4/18/2020					4.08			4.96	
10/7/2020	4.74	4.91	4.8	5.08					5.13
10/8/2020					4.13	5.34	4.98	4.87	
10/9/2020									

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-104	MW-106	MW-103	MW-102	MW-306 (bg)
3/29/2021	4.79	4.89	4.8	4.92					4.93
3/30/2021						4.98	5.04	4.82	
3/31/2021					3.7				
9/2/2021	4.81	4.87	4.77	5.07					4.94
9/3/2021					4.32	4.85			
9/7/2021							5.11	4.62	
3/22/2022	4.9	4.91	4.89	5.02					5.1
3/23/2022					4.15	4.99		5.02	
3/24/2022							5.02		
9/7/2022	4.72	4.92		4.89					
9/8/2022			4.78			5			4.87
9/9/2022					4.08		5.19	4.96	
4/6/2023	4.8	4.88	4.8	4.79					
4/7/2023					4.1	4.94			4.9
4/10/2023							4.92	4.71	
9/1/2023	4.75	4.85	4.81	4.86					4.99
9/6/2023					4.17		4.92		
9/7/2023						4.96		4.76	

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-105	MW-110	MW-109	MW-307 (bg)
2/29/2016				
3/1/2016	6.12			6.37 (o)
3/2/2016		5.015 (D)	5.015 (D)	
5/2/2016				5.605 (D)
5/3/2016				
5/4/2016				
5/5/2016	6.25	5.04	4.87	
7/5/2016				6.29 (o)
7/7/2016	5.99	5.55	4.86	
7/8/2016				
9/6/2016				6.42 (o)
9/7/2016	6.03	4.86	4.72	
11/7/2016				5.75
11/9/2016	6.01			
11/10/2016		5.19	4.72	
1/9/2017				5.98
1/11/2017	6.04			
1/12/2017		4.84	4.67	
3/13/2017				5.81
3/14/2017	6.11		4.77	
3/15/2017		4.86		
5/15/2017				5.42
5/18/2017	5.88	4.59	4.43	
10/2/2017				5.63
10/5/2017	6.07		4.52	
10/6/2017		5.73		
12/19/2017	6.11 (R)	4.84 (R)	4.76 (R)	
3/12/2018				5.6
3/14/2018	6.29	4.75	4.71	
6/5/2018				
6/6/2018				5.58
6/10/2018	5.96			
6/11/2018		4.77	4.78	
10/16/2018				
10/17/2018				5.54
10/18/2018	6.19	4.73	4.76	
10/19/2018				
2/27/2019				5.4
3/1/2019	6.27	4.76	4.85	
3/2/2019				
5/31/2019				5.45
6/3/2019	6.23	5.56	4.75	
6/11/2019				
11/6/2019				5.52
11/7/2019		4.74	4.78	
11/9/2019	6.19			
4/16/2020				5.58
4/17/2020		4.7	4.75	
4/18/2020	6.21			
10/7/2020				5.5
10/8/2020	6.29			
10/9/2020		4.9	4.77	

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-105	MW-110	MW-109	MW-307 (bg)
3/29/2021				5.46
3/30/2021	6.31			
3/31/2021		4.85	4.64	
9/2/2021				5.16
9/3/2021	6.17	6.28	4.72	
9/7/2021				
3/22/2022				5.18
3/23/2022	6.48	5.01	5	
3/24/2022				
9/7/2022				
9/8/2022			4.82	5.13
9/9/2022	6.47	4.68		
4/6/2023				5.02
4/7/2023	6.32			
4/10/2023		4.72	4.87	
9/1/2023				5.03
9/6/2023		4.75	4.96	
9/7/2023	6.36			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.041 (J)	0.46	0.037 (J)	<0.1	<0.1
3/2/2016									
5/2/2016	<0.1	<0.1	<0.1						
5/3/2016									<0.1
5/4/2016				<0.1					
5/5/2016					<0.1	0.27	<0.1	<0.1	
7/5/2016	<0.1	<0.1	<0.1						<0.1
7/7/2016					<0.1	0.29	<0.1	<0.1	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
9/7/2016					<0.1	0.33	<0.1		
11/7/2016	<0.1	<0.1	<0.1						<0.1
11/9/2016					<0.1	0.29			
11/10/2016				<0.1			<0.1	<0.1	
1/9/2017	<0.1	<0.1	<0.1						<0.1
1/11/2017				<0.1	<0.1	0.42			
1/12/2017							<0.1	<0.1	
3/13/2017	<0.1	<0.1	<0.1						<0.1
3/14/2017				<0.1	<0.1	0.34			
3/15/2017							<0.1	<0.1	
5/15/2017	<0.1	<0.1	<0.1						<0.1
5/18/2017				<0.1	<0.1	0.47	<0.1	<0.1	
10/2/2017	<0.1	<0.1	<0.1						<0.1
10/5/2017				<0.1	<0.1	0.22			
10/6/2017							<0.1	<0.1	
12/19/2017						0.26 (R)			
3/12/2018	<0.1	<0.1	<0.1						<0.1
3/14/2018				0.12	<0.1	0.3	<0.1	<0.1	
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018									<0.1
6/10/2018				<0.1	<0.1	0.38			
6/11/2018							<0.1	<0.1	
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018									<0.1
10/18/2018				<0.1	0.04 (J)	0.26	<0.1		
10/19/2018								<0.1	
2/27/2019	<0.1	<0.1	<0.1	<0.1					<0.1
3/1/2019					<0.1	0.1			
3/2/2019							<0.1	<0.1	
5/31/2019	<0.1	<0.1	<0.1	<0.1					<0.1
6/3/2019					0.04 (J)	0.22		<0.1	
6/11/2019							<0.1		
11/6/2019	<0.1	<0.1	<0.1	<0.1					<0.1
11/7/2019						0.21	<0.1		
11/9/2019					<0.1			<0.1	
4/16/2020	<0.1	<0.1	<0.1	<0.1					<0.1
4/17/2020							<0.1		
4/18/2020					0.04 (J)	0.3		<0.1	
10/7/2020	<0.1	<0.1	<0.1	<0.1					<0.1
10/8/2020					0.04 (J)	0.26	0.24	<0.1	
10/9/2020									

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
3/29/2021	0.06	<0.1	<0.1	<0.1					<0.1
3/30/2021					0.04		<0.1	<0.1	
3/31/2021						0.34			
9/2/2021	0.08 (J)	0.1	<0.1	0.04 (J)					<0.1
9/3/2021					0.07 (J)	0.41			
9/7/2021							<0.1	<0.1	
3/22/2022	<0.1	<0.1	<0.1	<0.1					<0.1
3/23/2022					<0.1	0.3		<0.1	
3/24/2022							<0.1		
9/7/2022	<0.1	<0.1		<0.1					
9/8/2022			<0.1						<0.1
9/9/2022					<0.1	<0.1	<0.1	<0.1	
4/6/2023	<0.1	<0.1	<0.1	<0.1					
4/7/2023					<0.1	0.31			<0.1
4/10/2023							<0.1	<0.1	
9/1/2023	<0.1	<0.1	<0.1	<0.1					<0.1
9/6/2023						0.22	<0.1		
9/7/2023					<0.1			<0.1	

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	0.033 (J)	<0.1		
3/2/2016			0.039 (J)	<0.1
5/2/2016	<0.1			
5/3/2016				
5/4/2016		<0.1		
5/5/2016			<0.1	<0.1
7/5/2016	<0.1			
7/7/2016			<0.1	<0.1
7/8/2016		<0.1		
9/6/2016	<0.1			
9/7/2016		<0.1	<0.1	<0.1
11/7/2016	<0.1			
11/9/2016		<0.1		
11/10/2016			<0.1	<0.1
1/9/2017	<0.1			
1/11/2017		<0.1		
1/12/2017			<0.1	<0.1
3/13/2017	<0.1			
3/14/2017		<0.1		<0.1
3/15/2017			<0.1	
5/15/2017	<0.1			
5/18/2017		<0.1	<0.1	<0.1
10/2/2017	<0.1			
10/5/2017		<0.1		<0.1
10/6/2017			<0.1	
12/19/2017				
3/12/2018	<0.1			
3/14/2018		<0.1	<0.1	<0.1
6/5/2018				
6/6/2018	<0.1			
6/10/2018		<0.1		
6/11/2018			0.04 (J)	<0.1
10/16/2018				
10/17/2018	<0.1			
10/18/2018		<0.1	0.04 (J)	<0.1
10/19/2018				
2/27/2019	<0.1			
3/1/2019		<0.1	<0.1	<0.1
3/2/2019				
5/31/2019	<0.1			
6/3/2019		<0.1	0.04 (J)	<0.1
6/11/2019				
11/6/2019	<0.1			
11/7/2019			0.04 (J)	<0.1
11/9/2019		<0.1		
4/16/2020	<0.1			
4/17/2020		<0.1	0.04 (J)	<0.1
4/18/2020				
10/7/2020	<0.1			
10/8/2020		<0.1		
10/9/2020			<0.1	<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-307 (bg)	MW-106	MW-110	MW-109
3/29/2021	<0.1			
3/30/2021		<0.1		
3/31/2021			0.04	<0.1
9/2/2021	0.04 (J)			
9/3/2021		<0.1	0.07 (J)	0.05 (J)
9/7/2021				
3/22/2022	<0.1			
3/23/2022		<0.1	<0.1	<0.1
3/24/2022				
9/7/2022				
9/8/2022	<0.1	<0.1		<0.1
9/9/2022			<0.1	
4/6/2023	<0.1			
4/7/2023		<0.1		
4/10/2023			<0.1	<0.1
9/1/2023	<0.1			
9/6/2023			<0.1	<0.1
9/7/2023		<0.1		

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 8:09 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-103	MW-102	MW-104
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5	26	<5	380
3/2/2016									
5/2/2016	15 (o)	2.1 (J)		<5	<5				
5/3/2016						<5			
5/4/2016			<5						
5/5/2016							31	<5	280
7/5/2016	<5	2 (J)		<5	<5	<5			
7/7/2016							31	<5	330
7/8/2016			<5						
9/6/2016	<5	1.8 (J)	<5	<5	3.7 (J)	<5		<5	
9/7/2016							41		550
11/7/2016	<5	1.7 (J)		<5	<5	<5			
11/9/2016									700
11/10/2016			<5				39	<5	
1/9/2017	<5	1.5 (J)		2.6 (J)	<5	<5			
1/11/2017			<5						670
1/12/2017							35	<5	
3/13/2017	2.5 (J)	2.2 (J)		<5	<5	<5			
3/14/2017			<5						670
3/15/2017							43	<5 (*)	
5/15/2017	<5	1.9 (J)		<5	<5	<5			
5/18/2017			<5 (X)				35	<5 (X)	790
10/2/2017	<5	3.4 (J)		<5	1.7 (J)	1.5 (J)			
10/5/2017			<5						500
10/6/2017							39	<5	
12/19/2017							36 (R)		400 (R)
3/12/2018	<5	2.6 (J)		<5	<5	<5			
3/14/2018			<5				38	<5	540
6/5/2018	<5	2.6 (J)		<5					
6/6/2018					<5	<5			
6/10/2018			1.5 (J)						760
6/11/2018							34	1.7 (J)	
10/16/2018	<5	2.8 (J)		<5					
10/17/2018					<5	<5			
10/18/2018			<5				31		460
10/19/2018								3.4 (J)	
2/27/2019	<5	2.4 (J)	1.9 (J)	<5	<5	<5			
3/1/2019									240
3/2/2019							35	<5	
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/3/2019								3.5 (J)	480
6/11/2019							32		
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/7/2019							27		610
11/9/2019								<5	
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/17/2020							31		
4/18/2020								<5	670
10/7/2020	<5	4 (J)	<5	<5	<5	<5			
10/8/2020							30	<5	590
10/9/2020									

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-103	MW-102	MW-104
3/29/2021	<5	2.3	<5	<5	<5	<5			
3/30/2021							32	<5	
3/31/2021									670
9/2/2021	<5	4.7 (J)	<5	<5	<5	<5			
9/3/2021									480
9/7/2021							22	<5	
3/22/2022	<5	4.5 (J)	<5	<5	<5	<5			
3/23/2022								1.8 (J)	560
3/24/2022							28		
9/7/2022	1.7 (J)		1.5 (J)	1.4 (J)					
9/8/2022		5.5			<5	<5			
9/9/2022							20	27	870
4/6/2023	<5	4.8 (J)	<5	<5	<5				
4/7/2023						<5			780
4/10/2023							34	<5	
9/1/2023	<5	3.8 (J)	<5	<5	<5	<5			
9/6/2023							20		350
9/7/2023								12	

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-106	MW-105	MW-110	MW-109
2/29/2016				
3/1/2016	<5	17		
3/2/2016			150	13
5/2/2016				
5/3/2016				
5/4/2016	<5			
5/5/2016		11	200	15
7/5/2016				
7/7/2016		33	200	14
7/8/2016	<5			
9/6/2016				
9/7/2016	<5	18	200	15
11/7/2016				
11/9/2016	<5	52		
11/10/2016			130	13
1/9/2017				
1/11/2017	<5	31		
1/12/2017			240	12
3/13/2017				
3/14/2017	<5	20		10 (V)
3/15/2017			300	
5/15/2017				
5/18/2017	<5 (X)	35	270	8.7
10/2/2017				
10/5/2017	<5	7.7		9.8
10/6/2017			140	
12/19/2017		51 (R)	280 (R)	8.4 (R)
3/12/2018				
3/14/2018	<5	22	270	9.7
6/5/2018				
6/6/2018				
6/10/2018	1.4 (J)	96		
6/11/2018			270	10
10/16/2018				
10/17/2018				
10/18/2018	<5	6.6	280	8.1
10/19/2018				
2/27/2019				
3/1/2019	<5	9.6	250	7.4
3/2/2019				
5/31/2019				
6/3/2019	<5	58	150	21
6/11/2019				
11/6/2019				
11/7/2019			290	16
11/9/2019	<5	120		
4/16/2020				
4/17/2020	<5		280	12
4/18/2020		32		
10/7/2020				
10/8/2020	<5	9.3		
10/9/2020			280	25

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-106	MW-105	MW-110	MW-109
3/29/2021				
3/30/2021	<5	7.6		
3/31/2021			250	15
9/2/2021				
9/3/2021	<5	9.3	160	32
9/7/2021				
3/22/2022				
3/23/2022	<5	24	270	28
3/24/2022				
9/7/2022				
9/8/2022	<5			34
9/9/2022		17	270	
4/6/2023				
4/7/2023	<5	110		
4/10/2023			180	15
9/1/2023				
9/6/2023			260	31
9/7/2023	<5	43		

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	20	<5	12	20					
3/1/2016					290	760	<5	10	<5
3/2/2016									
5/2/2016	<5	<5	6						36
5/3/2016								<5	
5/4/2016				6					
5/5/2016					250	620	<5		
7/5/2016	12	14	<5					<5	<5
7/7/2016					270	640	24		
7/8/2016				6					
9/6/2016	36	30	38	36			40	36	44
9/7/2016					270	1100			
11/7/2016	18	8	<5					<5	30
11/9/2016					330	1300			
11/10/2016				16			20		
1/9/2017	4 (J)	<5	14					<5	12
1/11/2017				38	330	1600			
1/12/2017							54		
3/13/2017	6	<5	8					22	20
3/14/2017				<5	260	1200			
3/15/2017							14		
5/15/2017	<5	<5	<5					6	4 (J)
5/18/2017				10	360	1500	38		
10/2/2017	<5	<5	6					16	24
10/5/2017				<5	240	980			
10/6/2017							22		
12/19/2017					460 (R)	900 (R)			
3/12/2018	18	14	<5					<5	<5
3/14/2018				8	300	1100	14		
6/5/2018	10	<5	14						
6/6/2018								20	16
6/10/2018				8	560	1500			
6/11/2018							8		
10/16/2018	32	12	6						
10/17/2018								44	44
10/18/2018				28	250	860			
10/19/2018							54		
2/27/2019	110	54	110	68				20	28
3/1/2019					210	440			
3/2/2019							28		
5/31/2019	46	8	26	<5				32	18
6/3/2019					500	950	54		
6/11/2019									
11/6/2019	<5	4 (J)	<5	10				24	20
11/7/2019						980			
11/9/2019					720		24		
4/16/2020	28	18	8	44				6	8
4/17/2020									
4/18/2020					180	1100	54		
10/7/2020	30	20	26	24				16	12
10/8/2020					260	500	32		
10/9/2020									

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
3/29/2021	38	12	28	26				42	40
3/30/2021					340		32		
3/31/2021						1100			
9/2/2021	40	10	8	8				10	<5
9/3/2021					210	1000			
9/7/2021							10		
3/22/2022	58	18	46	14				84	22
3/23/2022					230	1300	36		
3/24/2022									
9/7/2022	36	22		14					
9/8/2022			44					24	48
9/9/2022					200	1400	62		
4/6/2023	34	22	14	24					16
4/7/2023					320	1100		24	
4/10/2023							14		
9/1/2023	36	16	32	18				16	22
9/6/2023						1000			
9/7/2023					270		26		

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	84	<5		
3/2/2016			30	440
5/2/2016				
5/3/2016				
5/4/2016		12		
5/5/2016	76		38	480
7/5/2016				
7/7/2016	54		22	470
7/8/2016		10		
9/6/2016				
9/7/2016	82	10	38	440
11/7/2016				
11/9/2016		26		
11/10/2016	80		38	260
1/9/2017				
1/11/2017		28		
1/12/2017	110		40	630
3/13/2017				
3/14/2017		<5	22	
3/15/2017	82			620
5/15/2017				
5/18/2017	100	26	24	640
10/2/2017				
10/5/2017		<5	<5	
10/6/2017	110			360
12/19/2017	72 (R)			840 (R)
3/12/2018				
3/14/2018	66	<5	12	660
6/5/2018				
6/6/2018				
6/10/2018		6		
6/11/2018	96		26	670
10/16/2018				
10/17/2018				
10/18/2018	64	68	34	750
10/19/2018				
2/27/2019				
3/1/2019		28	42	640
3/2/2019	210			
5/31/2019				
6/3/2019		28	54	420
6/11/2019	110			
11/6/2019				
11/7/2019	50		24	540
11/9/2019		42		
4/16/2020				
4/17/2020	70	48	28	600
4/18/2020				
10/7/2020				
10/8/2020	120	100		
10/9/2020			86	660

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 8:10 PM View: 100 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-103	MW-106	MW-109	MW-110
3/29/2021				
3/30/2021	170	12		
3/31/2021			66	620
9/2/2021				
9/3/2021		<5	170	580
9/7/2021	62			
3/22/2022				
3/23/2022		30	90	630
3/24/2022	90			
9/7/2022				
9/8/2022		18	80	
9/9/2022	48			560
4/6/2023				
4/7/2023		26		
4/10/2023	100		82	540
9/1/2023				
9/6/2023	62		110	600
9/7/2023		6		

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

200 Series

Appendix III - 200 Series - Intrawell Prediction Limits - Significant Result

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III - 200 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:01 PM

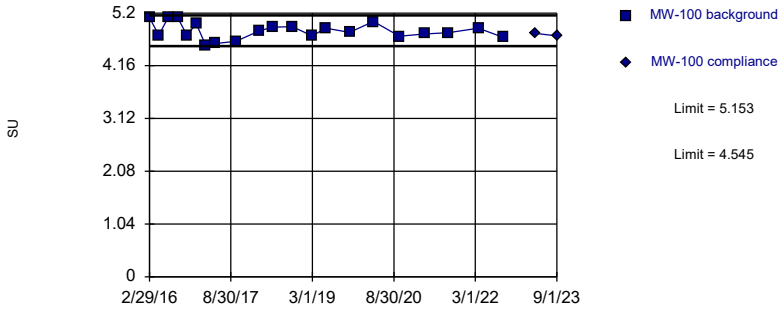
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.153	4.545	9/1/2023	4.75	No	21	4.849	0.1617	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.367	4.579	9/1/2023	4.86	No	21	4.973	0.2096	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.285	4.55	9/1/2023	4.85	No	21	4.918	0.1953	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.086	4.504	9/1/2023	4.81	No	20	4.795	0.1537	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.359	4.729	9/8/2023	4.91	No	22	5.044	0.1687	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.089	4.486	9/8/2023	4.89	No	16	4.788	0.1528	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	5.305	4.165	9/8/2023	5.21	No	10	4.735	0.2547	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.332	4.709	9/1/2023	4.99	No	21	5.02	0.1655	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.938**	**5.094**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.849, Std. Dev.=0.1617, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

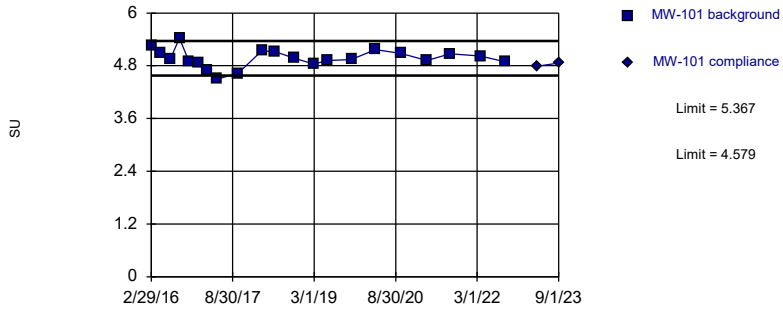
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.973, Std. Dev.=0.2096, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.977, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

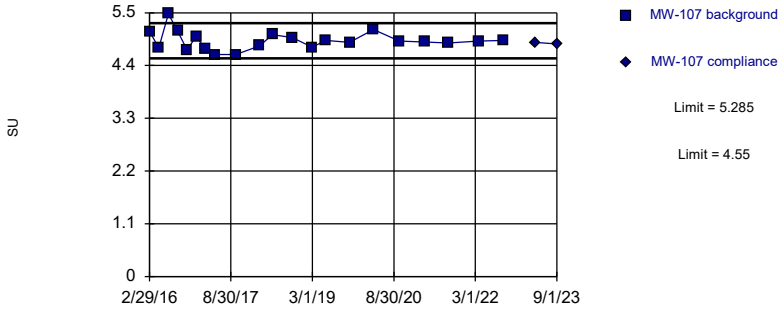
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.918, Std. Dev.=0.1953, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

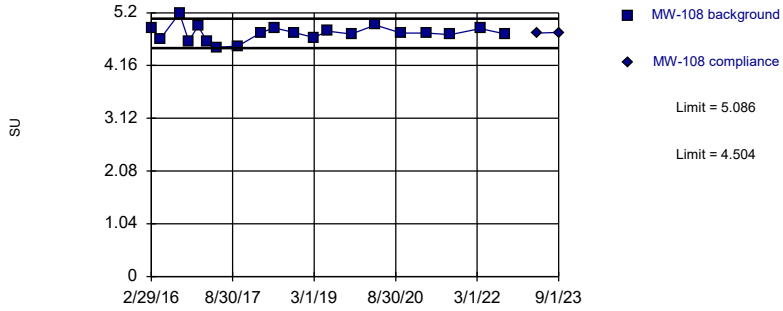
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.795, Std. Dev.=0.1537, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.868. Kappa = 1.892 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

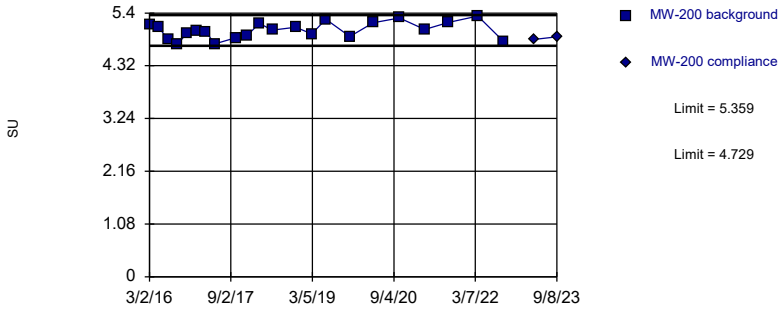
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.044, Std. Dev.=0.1687, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.878. Kappa = 1.869 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

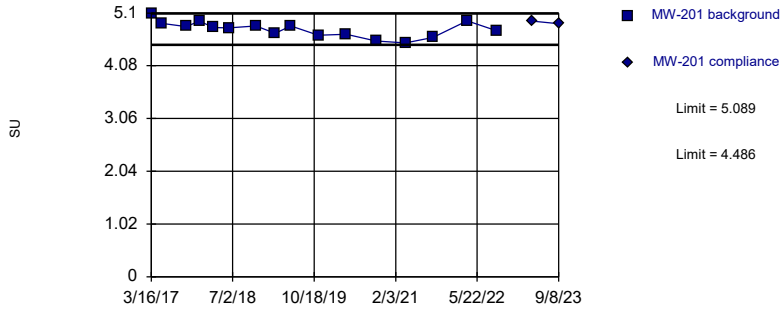
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.788, Std. Dev.=0.1528, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9819, critical = 0.844. Kappa = 1.97 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

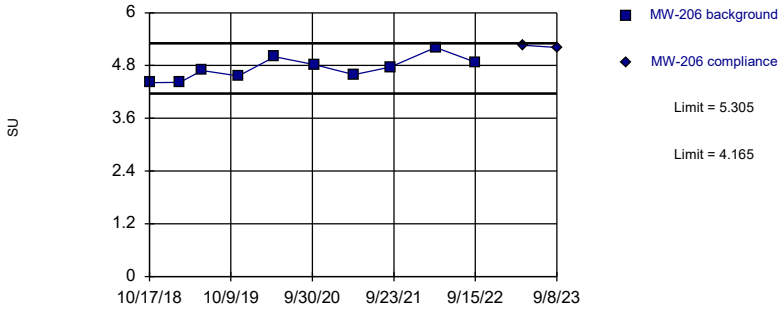
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.735, Std. Dev.=0.2547, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9631, critical = 0.781. Kappa = 2.238 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

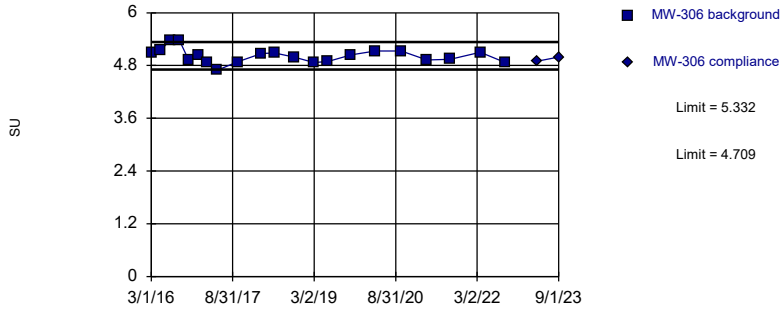
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.02, Std. Dev.=0.1655, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.873. Kappa = 1.88 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

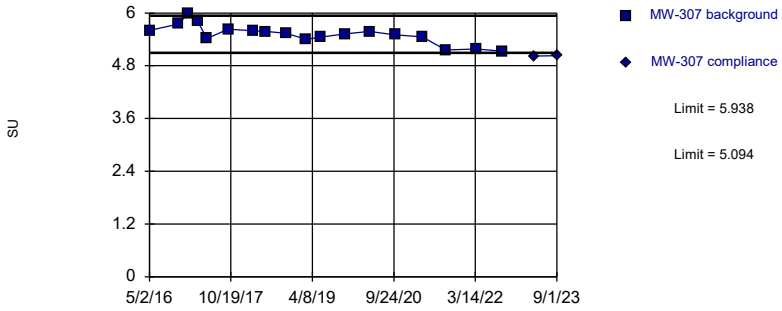
Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.516, Std. Dev.=0.2186, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.858. Kappa = 1.931 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 11/30/2023 3:00 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019	4.9	
11/6/2019	4.82	
4/16/2020	5.03	
10/7/2020	4.74	
3/29/2021	4.79	
9/2/2021	4.81	
3/22/2022	4.9	
9/7/2022	4.72	
4/6/2023		4.8
9/1/2023		4.75

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019	4.92	
11/6/2019	4.94	
4/16/2020	5.17	
10/7/2020	5.08	
3/29/2021	4.92	
9/2/2021	5.07	
3/22/2022	5.02	
9/7/2022	4.89	
4/6/2023		4.79
9/1/2023		4.86

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019	4.92	
11/6/2019	4.88	
4/16/2020	5.15	
10/7/2020	4.91	
3/29/2021	4.89	
9/2/2021	4.87	
3/22/2022	4.91	
9/7/2022	4.92	
4/6/2023		4.88
9/1/2023		4.85

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019	4.84	
11/6/2019	4.78	
4/16/2020	4.96	
10/7/2020	4.8	
3/29/2021	4.8	
9/2/2021	4.77	
3/22/2022	4.89	
9/8/2022	4.78	
4/6/2023		4.8
9/1/2023		4.81

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019	5.27	
11/12/2019	4.92	
4/18/2020	5.2	
10/12/2020	5.3	
4/1/2021	5.06	
9/8/2021	5.21	
3/25/2022	5.34	
9/13/2022	4.82	
4/11/2023		4.86
9/8/2023		4.91

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019	4.85	
11/12/2019	4.67	
4/22/2020	4.69	
10/12/2020	4.56	
4/1/2021	4.52	
9/8/2021	4.63	
3/25/2022	4.95	
9/13/2022	4.76	
4/11/2023		4.94
9/8/2023		4.89

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019	4.69	
11/12/2019	4.56	
4/18/2020	5	
10/12/2020	4.82	
4/1/2021	4.59	
9/8/2021	4.77	
3/25/2022	5.21	
9/13/2022	4.88	
4/11/2023		5.26
9/8/2023		5.21

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019	4.89	
11/6/2019	5.04	
4/16/2020	5.13	
10/7/2020	5.13	
3/29/2021	4.93	
9/2/2021	4.94	
3/22/2022	5.1	
9/8/2022	4.87	
4/7/2023		4.9
9/1/2023		4.99

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/30/2023 3:01 PM View: 200 Series - Intrawell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019	5.45	
11/6/2019	5.52	
4/16/2020	5.58	
10/7/2020	5.5	
3/29/2021	5.46	
9/2/2021	5.16	
3/22/2022	5.18	
9/8/2022	5.13	
4/6/2023		5.02
9/1/2023		5.03

Appendix III - 200 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:02 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-200**	**0.081**	**n/a**	**9/8/2023**	**0.16**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**9/8/2023**	**0.86**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**9/8/2023**	**5.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.463**	**n/a**	**9/8/2023**	**5.1**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.463**	**n/a**	**9/8/2023**	**35**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.463**	**n/a**	**9/8/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.805**	**n/a**	**9/8/2023**	**15**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.805**	**n/a**	**9/8/2023**	**25**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.805**	**n/a**	**9/8/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-206**	**0.12**	**n/a**	**9/8/2023**	**0.19**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**9/8/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**9/8/2023**	**71**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5.5**	**n/a**	**9/8/2023**	**1100**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**9/8/2023**	**170**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**9/8/2023**	**580**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**

Appendix III - 200 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:02 PM

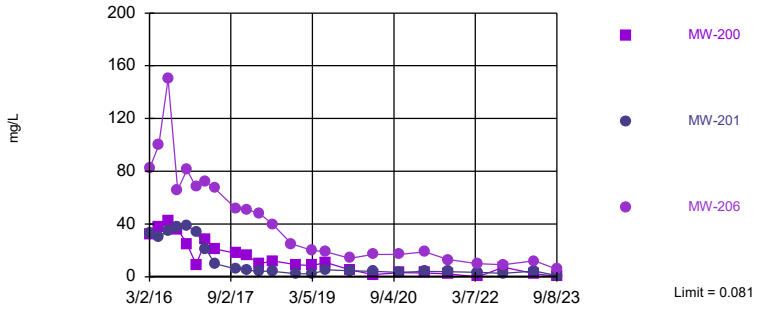
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**9/8/2023**	**0.16**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**9/8/2023**	**0.86**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**9/8/2023**	**5.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.463**	**n/a**	**9/8/2023**	**5.1**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.463**	**n/a**	**9/8/2023**	**35**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.463**	**n/a**	**9/8/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.805**	**n/a**	**9/8/2023**	**15**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.805**	**n/a**	**9/8/2023**	**25**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.805**	**n/a**	**9/8/2023**	**88**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	9/8/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001033	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	9/8/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001033	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-206**	**0.12**	**n/a**	**9/8/2023**	**0.19**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001033**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-200**	**5.5**	**n/a**	**9/8/2023**	**12**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5.5**	**n/a**	**9/8/2023**	**71**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5.5**	**n/a**	**9/8/2023**	**1100**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.0001051**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-200	110	n/a	9/8/2023	70	No	138	n/a	n/a	20.29	n/a	n/a	0.0001033	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**9/8/2023**	**170**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**9/8/2023**	**580**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001033**	**NP Inter (normality) 1 of 2**

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 69.57% NDs. Annual per-constituent alpha = 0.0006197. Individual comparison alpha = 0.0001033 (1 of 2). Comparing 3 points to limit.

Constituent: Boron Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

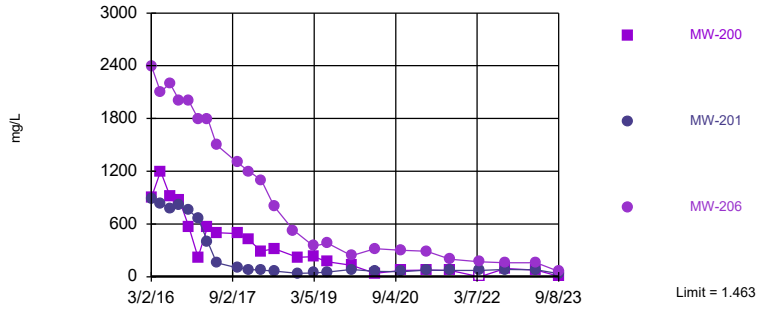
Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3663, Std. Dev.=0.449, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 6.493, critical = 14.07. Kappa = 1.663 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

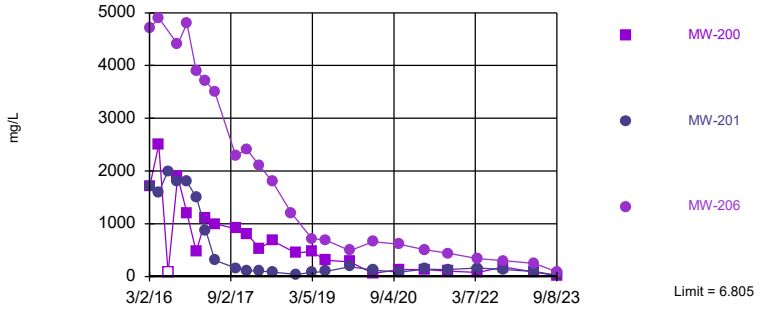
Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.174, Std. Dev.=0.9811, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 9.101, critical = 14.07. Kappa = 1.663 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Chloride Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

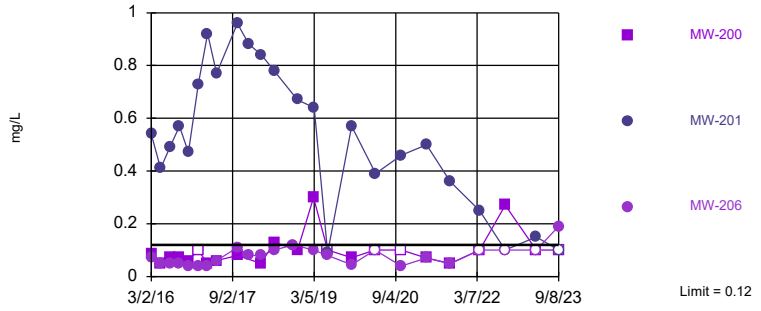
Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Exceeds Limit: MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 94.93% NDs. Annual per-constituent alpha = 0.0006197. Individual comparison alpha = 0.0001033 (1 of 2). Comparing 3 points to limit.

Constituent: Fluoride Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

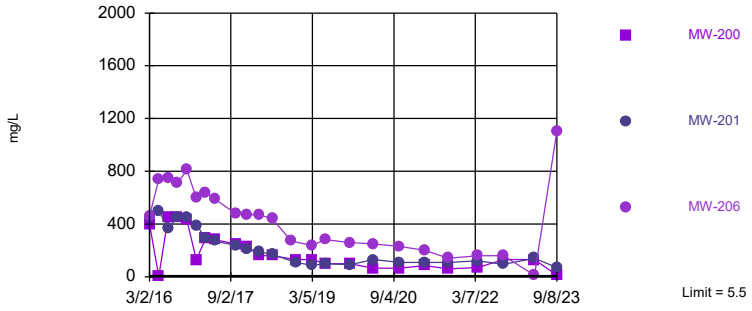
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 137 background values. 75.91% NDs. Annual per-constituent alpha = 0.0006304. Individual comparison alpha = 0.0001051 (1 of 2). Comparing 3 points to limit.

Constituent: Sulfate Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

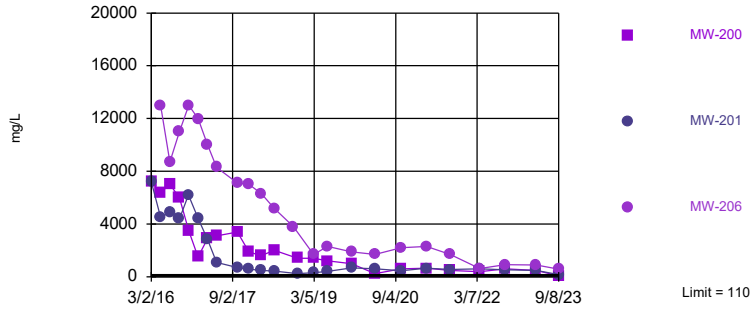
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 138 background values. 20.29% NDs. Annual per-constituent alpha = 0.0006197. Individual comparison alpha = 0.0001033 (1 of 2). Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:01 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							32	82	33
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05		38	100	
5/4/2016				<0.05					30
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05	42	150	
7/6/2016									35
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							36	66	38
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
11/8/2016									39
11/9/2016							25	81	
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/11/2017				<0.05					
1/12/2017							9.1	68	
1/13/2017									34
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/16/2017									21
3/17/2017							28	72	
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
5/16/2017							21		
5/17/2017								67	10
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017								52	
10/4/2017							18		6
10/5/2017				<0.05					
12/20/2017							16 (R)	51	4.9 (R)
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							10		
3/14/2018				<0.05				48	4.4
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/8/2018							12	40	
6/9/2018									4.1
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05		25	
10/18/2018				0.081					
11/13/2018							9.1		
11/14/2018									2.3
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							8.5	20	
3/5/2019									2.1
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							11	19	5.2
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							5.3	14	4.5

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	0.02	0.017	0.013	0.013	0.0075 (J)	0.0055 (J)			
4/18/2020							1.6	17	
4/22/2020									4.2
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/12/2020							3	17	3.3
3/29/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
4/1/2021							2.9	19	4
9/2/2021	0.021 (J)	0.022 (J)	0.018 (J)	<0.05	<0.05	<0.05			
9/8/2021							2.1	13	3.8
3/22/2022	0.013	0.017	0.013	0.012	0.009 (J)	0.0063 (J)			
3/25/2022							0.0043 (J)	10	3.4
9/7/2022	0.031 (J)		0.031 (J)	0.029 (J)					
9/8/2022		0.055			0.027 (J)	0.025 (J)			
9/13/2022							7.2	9.1	2.7
4/6/2023	0.021 (J)	0.035 (J)	0.038 (J)	0.048 (J)		0.012 (J)			
4/7/2023					0.011 (J)				
4/11/2023							2.4	12	4.4
9/1/2023	0.021	0.025	0.023	0.02	0.016	0.016			
9/8/2023							0.16	5.9	0.86

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/2/2016							900	2400	890
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55		1200	2100	
5/4/2016				0.62					830
7/5/2016	0.65	0.94	0.43		0.53	1.6	920	2200	
7/6/2016									780
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/8/2016							870	2000	820
11/7/2016	0.8	1.2	0.56		0.68	1.5			
11/8/2016									760
11/9/2016							570	2000	
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/11/2017				0.42					
1/12/2017							220	1800	
1/13/2017									660
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/16/2017									400
3/17/2017							570	1800	
5/15/2017	0.76	1	0.37		0.58	0.83			
5/16/2017							500		
5/17/2017								1500	160
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017								1300	
10/4/2017							490		100
10/5/2017				0.39					
12/20/2017							420 (R)	1200	82 (R)
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018							290		
3/14/2018				0.49				1100	75
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			
6/8/2018							320	800	
6/9/2018									64
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66		530	
10/18/2018				0.41					
11/13/2018							220		
11/14/2018									38
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019							230	350	
3/5/2019									43
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52			
6/4/2019							170	380 (D)	54
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/12/2019							130	240	82

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	0.84	1.3	0.36	0.38	0.53	0.59			
4/18/2020							40	320	
4/22/2020									61
10/7/2020	0.93	1.6	0.43	0.47	0.63	0.67			
10/12/2020							74	300	58
3/29/2021	1	1.6	0.46	0.43	0.68	0.75			
4/1/2021							75	290	75
9/2/2021	1.1	1.5	0.47	0.63	0.56	0.73			
9/8/2021							74	200	72
3/22/2022	0.9	1.6	0.33	0.38	0.81	0.7			
3/25/2022							<0.05	170	73
9/7/2022	1		0.61	0.6					
9/8/2022		2.1			0.69	0.82			
9/13/2022							93	160	82
4/6/2023	0.81	2.1	0.32	0.42		0.68			
4/7/2023					0.49				
4/11/2023							75	160	78
9/1/2023	0.88	2.1	0.33	0.39	0.52	0.66			
9/8/2023							5.1	61	35

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					5.6	4			
3/2/2016							1700	4700	1700
5/2/2016	4.4	6.3	6			3.6			
5/3/2016					5.1		2500	4900	
5/4/2016				4.5					1600
7/5/2016	4.2	4.8	5.2		4.7	3.6	<140 (*)	360 (o)	
7/6/2016									2000
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4.4	4			
9/8/2016							1900	4400	1800
11/7/2016	4.2	5.7	5.4		4.6	4.4			
11/8/2016									1800
11/9/2016							1200	4800	
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		5.3	4.4			
1/11/2017				5.3					
1/12/2017							470	3900	
1/13/2017									1500
3/13/2017	5.2	6.8	5.5		5.6	4.1			
3/14/2017				5.5					
3/16/2017									870
3/17/2017							1100	3700	
5/15/2017	4.8	6.1	4.7		5.2	3.7			
5/16/2017							1000		
5/17/2017								3500	310
5/18/2017				5					
10/2/2017	5.5	6	6.1		5.5	4.8			
10/3/2017								2300	
10/4/2017							910		160
10/5/2017				5.6					
12/20/2017							810 (R)	2400	110 (R)
3/12/2018	5.3	5.9	6.1		5.6	4			
3/13/2018							530		
3/14/2018				5.2				2100	110
6/5/2018	5.3	6.5	5.5						
6/6/2018					5.6	4.1			
6/8/2018							680	1800	
6/9/2018									86
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					5.5	3.7		1200	
10/18/2018				5.2					
11/13/2018							450		
11/14/2018									41
2/27/2019	4.6	4.3	5	5.1	5.1	4			
2/28/2019							470	720	
3/5/2019									75
5/31/2019	5.1	4.5	5.4	5	5.4	3.7			
6/4/2019							310	690	98
11/6/2019	5.8	5.7	6.1	6	5.9	4.7			
11/12/2019							280	490	190

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	6.1	5.6	5.3	5.8	6.2	4.9			
4/18/2020							59	660	
4/22/2020									120
10/7/2020	6.6	5.1	5.7	5.9	6.1	4.7			
10/12/2020							130	610	82
3/29/2021	10	5	5.2	5.8	6.2	5.4			
4/1/2021							130	510	140
9/2/2021	5.8	5.2	5.1	5.1	5.9	5.1			
9/8/2021							100	440	130
3/22/2022	5.9	8.8	4.7	4.9	5.6	4.8			
3/25/2022							76	340	160
9/7/2022	4.4		3.6	3.4					
9/8/2022		3.4			4.3	5.3			
9/13/2022							180	300	130
4/6/2023	4.3	4.2	3.8	3.6		4.2			
4/7/2023					4.1				
4/11/2023							86	250	96
9/1/2023	5.5	4.2	4.2	3.9	4.8	4.4			
9/8/2023							15	88	25

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.033 (J)	<0.1			
3/2/2016							0.074 (J)	0.54	0.088 (J)
5/2/2016	<0.1	<0.1	<0.1		<0.1				
5/3/2016						<0.1	0.05 (J)		0.05 (J)
5/4/2016				<0.1				0.41	
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1	0.05 (J)		0.07 (J)
7/6/2016								0.49	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.05 (J)	0.57	0.07 (J)
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
11/8/2016								0.47	
11/9/2016							0.04 (J)		0.06 (J)
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/11/2017				<0.1					
1/12/2017							0.04 (J)		<0.1
1/13/2017								0.73	
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/16/2017								0.92	
3/17/2017							0.04 (J)		0.05 (J)
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017									0.06 (J)
5/17/2017							0.06 (J)	0.77	
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							0.11		
10/4/2017								0.96	0.08 (J)
10/5/2017				<0.1					
12/20/2017							0.08 (I)	0.88 (R)	
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018									0.05 (J)
3/14/2018				0.12			0.08 (J)	0.84	
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/8/2018							0.1		0.13
6/9/2018								0.78	
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1	0.12		
10/18/2018				<0.1					
11/13/2018									0.1
11/14/2018								0.67	
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.1		0.3
3/5/2019								0.64	
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							0.08 (J)	0.09 (J)	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.045 (J)	0.57	0.072 (J)

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1		<0.1
4/22/2020								0.39	
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/12/2020							0.04 (J)	0.46	<0.1
3/29/2021	0.06	<0.1	<0.1	<0.1	<0.1	<0.1			
4/1/2021							0.07	0.5	0.07
9/2/2021	0.08 (J)	0.1	<0.1	0.04 (J)	0.04 (J)	<0.1			
9/8/2021							0.048 (J)	0.36	0.049 (J)
3/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
3/25/2022							<0.1	0.25	<0.1
9/7/2022	<0.1	<0.1		<0.1					
9/8/2022			<0.1		<0.1	<0.1			
9/13/2022							<0.1	<0.1	0.27 (J)
4/6/2023	<0.1	<0.1	<0.1	<0.1	<0.1				
4/7/2023						<0.1			
4/11/2023							<0.1	0.15	<0.1
9/1/2023	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2023							0.19	<0.1	<0.1

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/2/2016							400	460	450
5/2/2016	15 (o)	2.1 (J)	<5			<5			
5/3/2016					<5		2.2 (J)	740	
5/4/2016				<5					500
7/5/2016	<5	2 (J)	<5		<5	<5	450 (J)	750	
7/6/2016									370
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	<5	3.7 (J)			
9/8/2016							450	710	450
11/7/2016	<5	1.7 (J)	<5		<5	<5			
11/8/2016									450
11/9/2016							430	810	
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/11/2017				<5					
1/12/2017							130	600	
1/13/2017									390
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/16/2017									290
3/17/2017							290	640	
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017							280		
5/17/2017								590	270
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.5 (J)	1.7 (J)			
10/3/2017								480	
10/4/2017							250		240
10/5/2017				<5					
12/20/2017							230 (R)	470	210 (R)
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018							160		
3/14/2018				<5				470	190
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5			
6/8/2018							160	440	
6/9/2018									170
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		270	
10/18/2018				<5					
11/13/2018							130		
11/14/2018									110
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019							130	240	
3/5/2019									86
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/4/2019							100	280	100
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/12/2019							100	260	93

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/18/2020							64	250	
4/22/2020									130
10/7/2020	<5	4 (J)	<5	<5	<5	<5			
10/12/2020							64	230	110
3/29/2021	<5	2.3	<5	<5	<5	<5			
4/1/2021							84	200	110
9/2/2021	<5	4.7 (J)	<5	<5	<5	<5			
9/8/2021							60	140	110
3/22/2022	<5	4.5 (J)	<5	<5	<5	<5			
3/25/2022							71	160	120
9/7/2022	1.7 (J)		1.4 (J)	1.5 (J)					
9/8/2022		5.5			<5	<5			
9/13/2022							130	160	95
4/6/2023	<5	4.8 (J)	<5	<5		<5			
4/7/2023					<5				
4/11/2023							130	12 (J)	140
9/1/2023	<5	3.8 (J)	<5	<5	<5	<5			
9/8/2023							12	1100	71

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5	6	<5			36			
5/3/2016					<5		6400		13000
5/4/2016				6				4500	
7/5/2016	12	<5	14		<5	<5	7000		8700
7/6/2016								4900	
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18	<5	8		<5	30			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/11/2017				38					
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5	<5	<5		6	4 (J)			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017				<5					
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18	<5	14		<5	<5			
3/13/2018							1600		
3/14/2018				8				490	6300
6/5/2018	10	14	<5						
6/6/2018					20	16			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44			3800
10/18/2018				28					
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	110	54	68	20	28			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	26	8	<5	32	18			
6/4/2019							1200	400	2300
11/6/2019	<5	<5	4 (J)	10	24	20			
11/12/2019							1000	670	1900

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 3:02 PM View: 200 Series - Interwell

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	28	8	18	44	6	8			
4/18/2020							240		1700
4/22/2020								600	
10/7/2020	30	26	20	24	16	12			
10/12/2020							600	460	2200
3/29/2021	38	28	12	26	42	40			
4/1/2021							640	650	2300
9/2/2021	40	8	10	8	10	<5			
9/8/2021							480	550	1700
3/22/2022	58	46	18	14	84	22			
3/25/2022							380	610	630
9/7/2022	36		22	14					
9/8/2022		44			24	48			
9/13/2022							600	530	920
4/6/2023	34	14	22	24		16			
4/7/2023					24				
4/11/2023							490	490	890
9/1/2023	36	32	16	18	16	22			
9/8/2023							70	170	580

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

300 Series

Appendix III - 300 Series - Intrawell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**9/6/2023**	**4.06**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III - 300 Series - Intrawell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.179	4.518	9/1/2023	4.75	No	21	4.849	0.1617	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.401	4.544	9/1/2023	4.86	No	21	4.973	0.2096	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.317	4.518	9/1/2023	4.85	No	21	4.918	0.1953	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.111	4.479	9/1/2023	4.81	No	20	4.795	0.1537	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.086	4.364	9/6/2023	4.67	No	22	4.725	0.1777	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.064	6.094	9/7/2023	6.29	No	22	6.579	0.2388	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.439	4.633	9/6/2023	6.02	No	22	5.536	0.4447	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-305**	**5.244**	**4.527**	**9/6/2023**	**4.06**	**Yes**	**21**	**4.885**	**0.1753**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.359	4.682	9/1/2023	4.99	No	21	5.02	0.1655	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-307**	**5.976**	**5.056**	**9/1/2023**	**5.03**	**Yes**	**18**	**5.516**	**0.2186**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-308	7.012	5.586	9/7/2023	6.77	No	22	6.299	0.3511	0	None	No	0.000752	Param Intra 1 of 2

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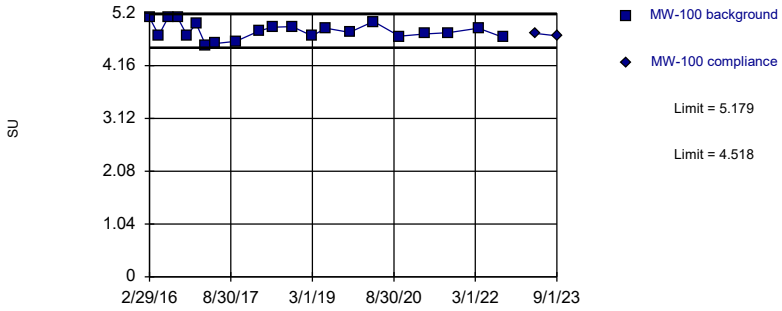
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.849, Std. Dev.=0.1617, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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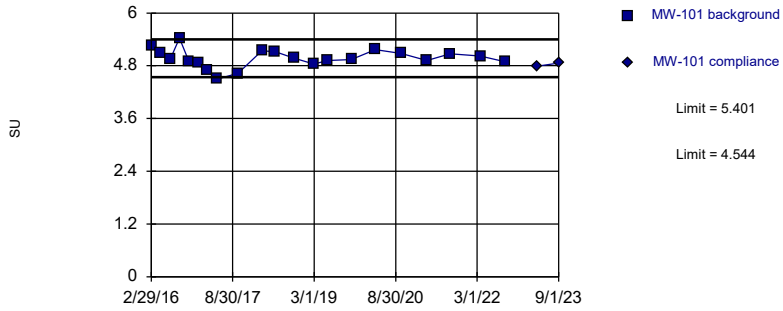
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.973, Std. Dev.=0.2096, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.977, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

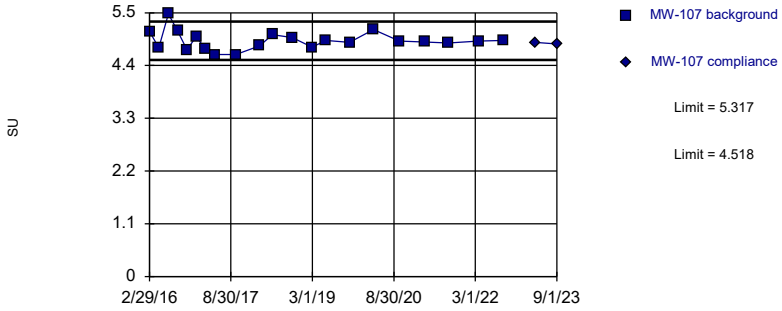
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.918, Std. Dev.=0.1953, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

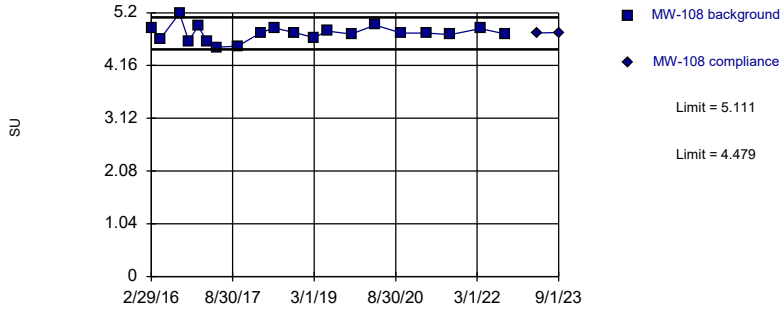
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.795, Std. Dev.=0.1537, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.868. Kappa = 2.058 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

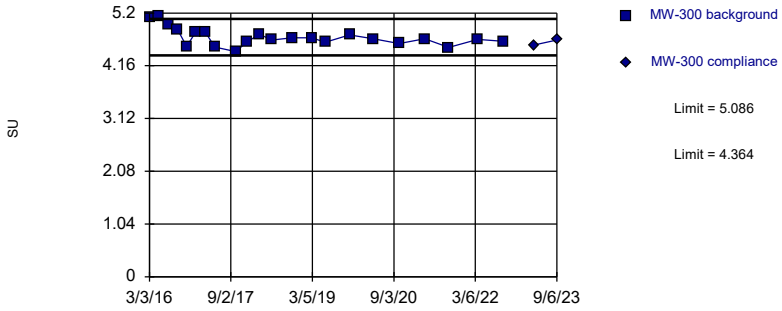
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.725, Std. Dev.=0.1777, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

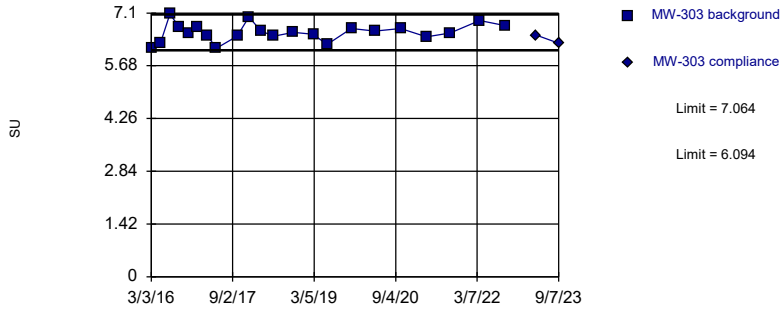
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.579, Std. Dev.=0.2388, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9672, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

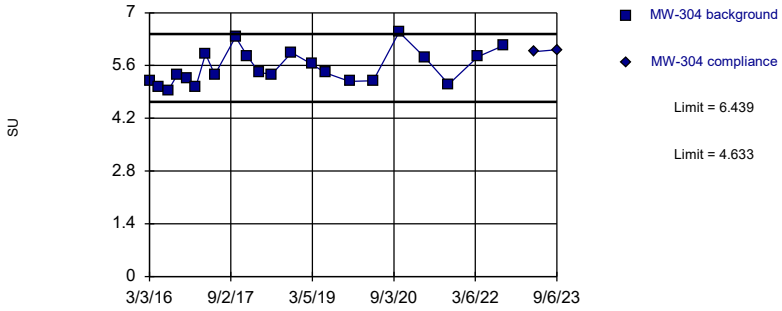
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.536, Std. Dev.=0.4447, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

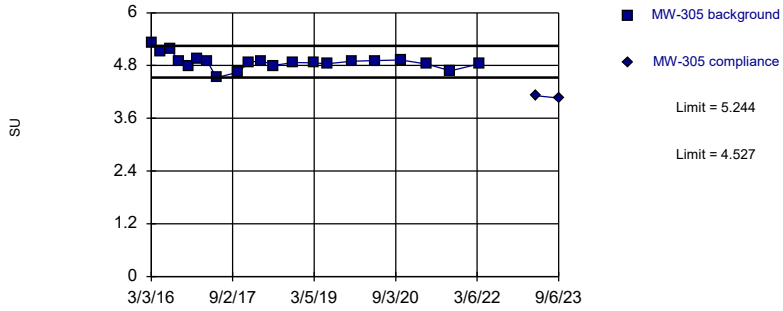
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.885, Std. Dev.=0.1753, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

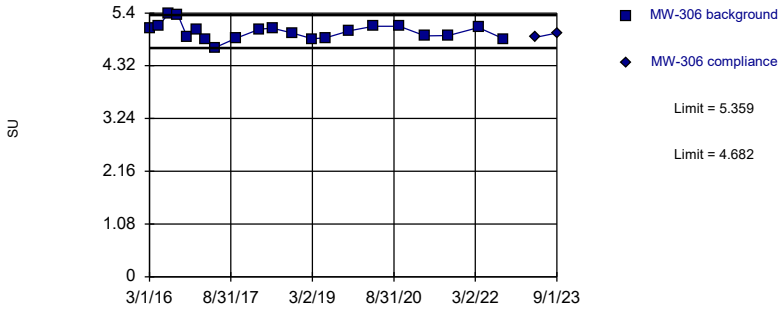
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.02, Std. Dev.=0.1655, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.873. Kappa = 2.044 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

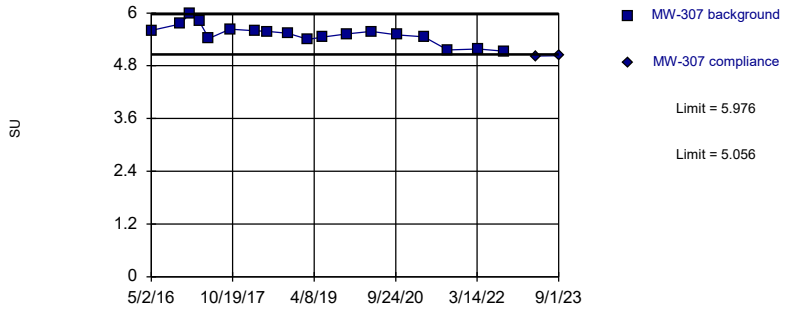
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.516, Std. Dev.=0.2186, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

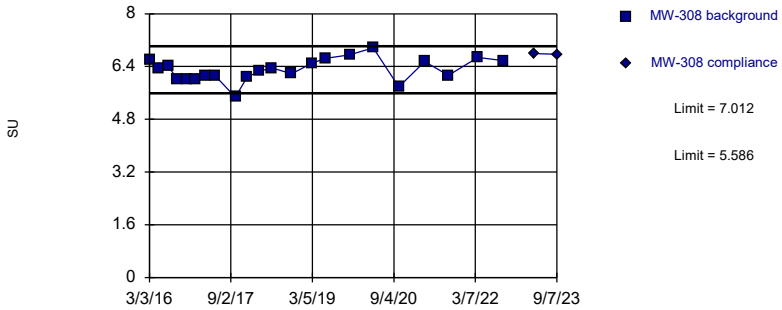
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.299, Std. Dev.=0.3511, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.979, critical = 0.878. Kappa = 2.031 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 11/29/2023 9:23 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019	4.9	
11/6/2019	4.82	
4/16/2020	5.03	
10/7/2020	4.74	
3/29/2021	4.79	
9/2/2021	4.81	
3/22/2022	4.9	
9/7/2022	4.72	
4/6/2023		4.8
9/1/2023		4.75

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019	4.92	
11/6/2019	4.94	
4/16/2020	5.17	
10/7/2020	5.08	
3/29/2021	4.92	
9/2/2021	5.07	
3/22/2022	5.02	
9/7/2022	4.89	
4/6/2023		4.79
9/1/2023		4.86

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019	4.92	
11/6/2019	4.88	
4/16/2020	5.15	
10/7/2020	4.91	
3/29/2021	4.89	
9/2/2021	4.87	
3/22/2022	4.91	
9/7/2022	4.92	
4/6/2023		4.88
9/1/2023		4.85

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019	4.84	
11/6/2019	4.78	
4/16/2020	4.96	
10/7/2020	4.8	
3/29/2021	4.8	
9/2/2021	4.77	
3/22/2022	4.89	
9/8/2022	4.78	
4/6/2023		4.8
9/1/2023		4.81

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019	4.62	
11/11/2019	4.77	
4/18/2020	4.69	
10/9/2020	4.6	
3/31/2021	4.69	
9/7/2021	4.52	
3/24/2022	4.68	
9/12/2022	4.64	
4/10/2023		4.57
9/6/2023		4.67

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019	6.25	
11/11/2019	6.68	
4/18/2020	6.61	
10/8/2020	6.68	
4/1/2021	6.46	
9/7/2021	6.56	
3/24/2022	6.9	
9/12/2022	6.76	
4/11/2023		6.5
9/7/2023		6.29

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019	5.41	
11/11/2019	5.18	
4/18/2020	5.2	
10/9/2020	6.49	
4/1/2021	5.81	
9/7/2021	5.1	
3/24/2022	5.83	
9/12/2022	6.13	
4/10/2023		5.97
9/6/2023		6.02

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019	4.84	
11/11/2019	4.9	
4/18/2020	4.91	
10/9/2020	4.93	
4/1/2021	4.83	
9/7/2021	4.68	
3/24/2022	4.84	
9/16/2022	3.8 (o)	
4/10/2023		4.11
9/6/2023		4.06

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019	4.89	
11/6/2019	5.04	
4/16/2020	5.13	
10/7/2020	5.13	
3/29/2021	4.93	
9/2/2021	4.94	
3/22/2022	5.1	
9/8/2022	4.87	
4/7/2023		4.9
9/1/2023		4.99

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-307	MW-307
3/1/2016	6.37 (o)	
5/2/2016	5.605 (D)	
7/5/2016	6.29 (o)	
9/6/2016	6.42 (o)	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019	5.45	
11/6/2019	5.52	
4/16/2020	5.58	
10/7/2020	5.5	
3/29/2021	5.46	
9/2/2021	5.16	
3/22/2022	5.18	
9/8/2022	5.13	
4/6/2023		5.02
9/1/2023		5.03

Prediction Limit

Constituent: Field pH (SU) Analysis Run 11/29/2023 9:24 PM View: 300 Series - Intrawell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019	6.65	
11/11/2019	6.75	
4/18/2020	6.97	
10/8/2020	5.78	
4/1/2021	6.55	
9/7/2021	6.13	
3/24/2022	6.68	
9/12/2022	6.58	
4/11/2023		6.79
9/7/2023		6.77

Appendix III - 300 Series - Interwell Prediction Limits - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:25 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-303**	**0.081**	**n/a**	**9/7/2023**	**4.4**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**9/6/2023**	**1.7**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-305**	**0.081**	**n/a**	**9/6/2023**	**0.17**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**9/7/2023**	**3.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-303**	**1.549**	**n/a**	**9/7/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.549**	**n/a**	**9/6/2023**	**80**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.549**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.549**	**n/a**	**9/7/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.931**	**n/a**	**9/6/2023**	**7.2**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.931**	**n/a**	**9/7/2023**	**30**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.931**	**n/a**	**9/6/2023**	**34**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.931**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.931**	**n/a**	**9/7/2023**	**26**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**9/7/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**9/6/2023**	**0.4**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**9/7/2023**	**0.18**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**9/7/2023**	**150**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**9/6/2023**	**210**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**9/6/2023**	**170**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**9/7/2023**	**140**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**9/7/2023**	**400**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**9/6/2023**	**540**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**9/6/2023**	**340**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**9/7/2023**	**380**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**

Appendix III - 300 Series - Interwell Prediction Limits - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:25 PM

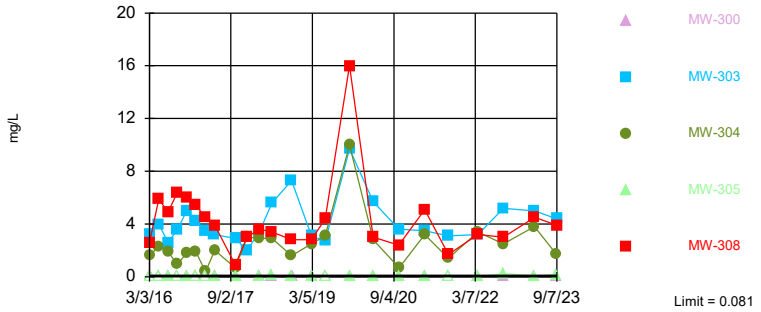
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	9/6/2023	0.048J	No	138	n/a	n/a	69.57	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**9/7/2023**	**4.4**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**9/6/2023**	**1.7**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-305**	**0.081**	**n/a**	**9/6/2023**	**0.17**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**9/7/2023**	**3.9**	**Yes**	**138**	**n/a**	**n/a**	**69.57**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.549	n/a	9/6/2023	0.67	No	138	-0.3663	0.449	0	None	ln(x)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.549**	**n/a**	**9/7/2023**	**61**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.549**	**n/a**	**9/6/2023**	**80**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.549**	**n/a**	**9/6/2023**	**29**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.549**	**n/a**	**9/7/2023**	**73**	**Yes**	**138**	**-0.3663**	**0.449**	**0**	**None**	**ln(x)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.931**	**n/a**	**9/6/2023**	**7.2**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.931**	**n/a**	**9/7/2023**	**30**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.931**	**n/a**	**9/6/2023**	**34**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.931**	**n/a**	**9/6/2023**	**11**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.931**	**n/a**	**9/7/2023**	**26**	**Yes**	**138**	**5.174**	**0.9811**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**9/7/2023**	**0.22**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	9/6/2023	0.1ND	No	138	n/a	n/a	94.93	n/a	n/a	0.0001032	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-305**	**0.12**	**n/a**	**9/6/2023**	**0.4**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**9/7/2023**	**0.18**	**Yes**	**138**	**n/a**	**n/a**	**94.93**	**n/a**	**n/a**	**0.0001032**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5.5	n/a	9/6/2023	5ND	No	137	n/a	n/a	75.91	n/a	n/a	0.000105	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5.5**	**n/a**	**9/7/2023**	**150**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5.5**	**n/a**	**9/6/2023**	**210**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5.5**	**n/a**	**9/6/2023**	**170**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5.5**	**n/a**	**9/7/2023**	**140**	**Yes**	**137**	**n/a**	**n/a**	**75.91**	**n/a**	**n/a**	**0.000105**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	9/6/2023	22	No	138	n/a	n/a	20.29	n/a	n/a	0.0001032	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**9/7/2023**	**400**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**9/6/2023**	**540**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-305**	**110**	**n/a**	**9/6/2023**	**340**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**9/7/2023**	**380**	**Yes**	**138**	**n/a**	**n/a**	**20.29**	**n/a**	**n/a**	**0.0001032**	**NP Inter (normality) 1 of 2**

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 69.57% NDs. Annual per-constituent alpha = 0.001032. Individual comparison alpha = 0.0001032 (1 of 2). Comparing 5 points to limit.

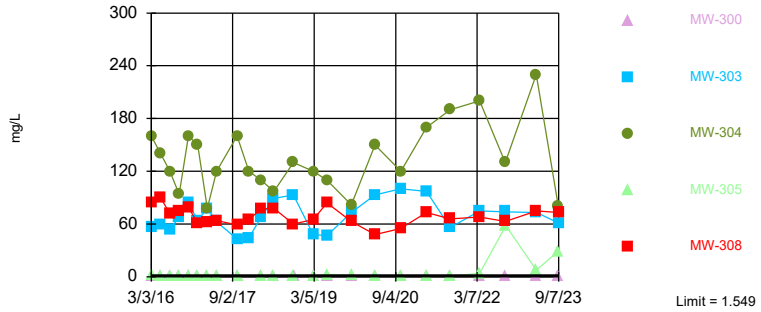
Constituent: Boron Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3663, Std. Dev.=0.449, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 6.493, critical = 14.07. Kappa = 1.791 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

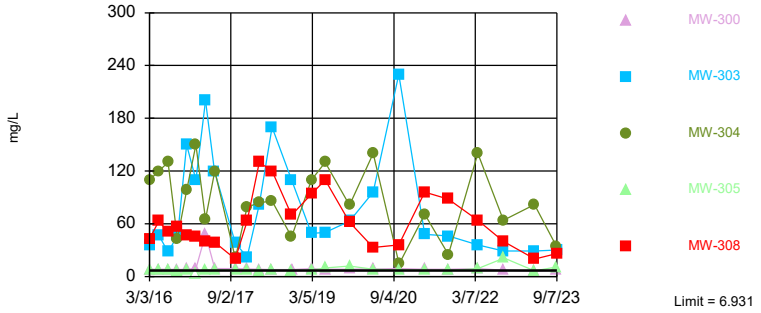
Constituent: Calcium Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-300, MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.174, Std. Dev.=0.9811, n=138. Normality test: Chi Squared @alpha = 0.01, calculated = 9.101, critical = 14.07. Kappa = 1.791 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

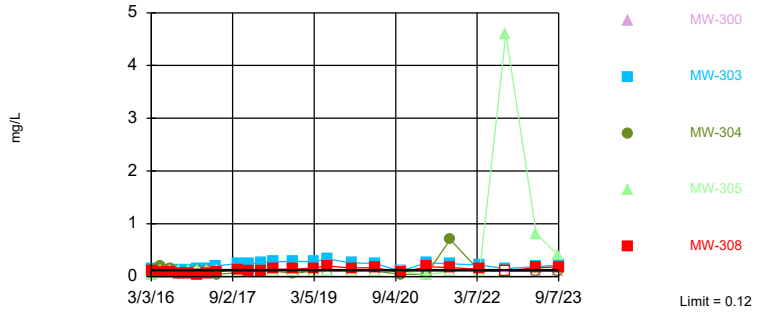
Constituent: Chloride Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 138 background values. 94.93% NDs. Annual per-constituent alpha = 0.001032. Individual comparison alpha = 0.0001032 (1 of 2). Comparing 5 points to limit.

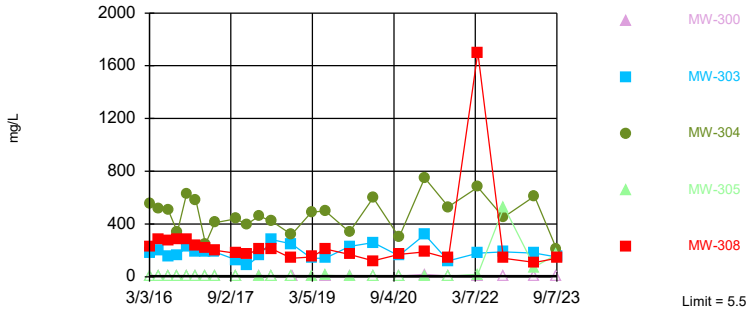
Constituent: Fluoride Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 137 background values. 75.91% NDs. Annual per-constituent alpha = 0.001049. Individual comparison alpha = 0.000105 (1 of 2). Comparing 5 points to limit.

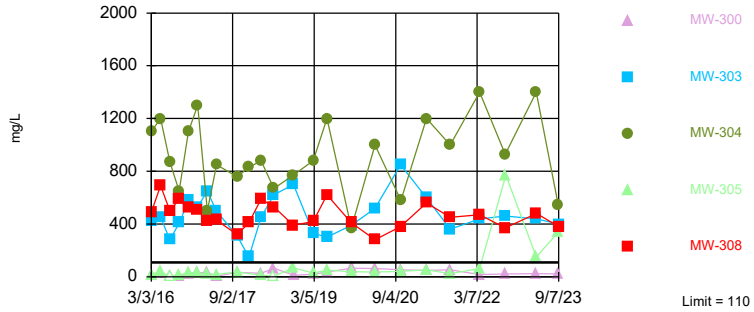
Constituent: Sulfate Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 138 background values. 20.29% NDs. Annual per-constituent alpha = 0.001032. Individual comparison alpha = 0.0001032 (1 of 2). Comparing 5 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:24 PM View: 300 Series - Interwell
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							3.2	<0.05	0.11 (J)
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05				
5/4/2016				<0.05			4	<0.05 (*)	<0.05
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
7/6/2016							2.6		
7/7/2016								0.034 (J)	<0.05
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016								<0.05	0.028 (J)
9/8/2016							3.6		
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05		0.045 (J)	
11/8/2016							5		0.025 (J)
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/10/2017							4.2	<0.05 (*)	<0.05 (*)
1/11/2017				<0.05					
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/15/2017								<0.05	<0.05
3/16/2017							3.5		
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05	3.2		
5/16/2017								0.043 (J)	<0.05
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017							2.9	0.026 (J)	0.03 (J)
10/5/2017				<0.05					
12/20/2017							2		
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							3.4	0.07	<0.05
3/14/2018				<0.05					
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			0.024 (J)
6/7/2018							5.6	0.1	
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05	7.3	0.074	
10/18/2018				0.081					0.022 (J)
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							3.1	0.027 (J)	<0.05
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	<0.05	<0.05
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/11/2019							9.7	0.036 (V)	0.035 (V)
4/16/2020	0.02	0.017	0.013	0.013	0.0075 (J)	0.0055 (J)			
4/18/2020							5.7	0.016	0.027
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/8/2020							3.6		
10/9/2020								0.018 (J)	0.025 (J)
3/29/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
3/31/2021									0.046

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							3.5	0.035	
9/2/2021	0.021 (J)	0.022 (J)	0.018 (J)	<0.05	<0.05	<0.05			
9/7/2021							3.1	<0.05	0.022 (J)
3/22/2022	0.013	0.017	0.013	0.012	0.009 (J)	0.0063 (J)			
3/24/2022							3.2	0.028	0.035
9/7/2022	0.031 (J)		0.031 (J)	0.029 (J)					
9/8/2022		0.055			0.027 (J)	0.025 (J)			
9/12/2022							5.2		0.05
9/16/2022								0.23	
4/6/2023	0.021 (J)	0.035 (J)	0.038 (J)	0.048 (J)		0.012 (J)			
4/7/2023					0.011 (J)				
4/10/2023								0.059	0.042 (J)
4/11/2023							5		
9/1/2023	0.021	0.025	0.023	0.02	0.016	0.016			
9/6/2023								0.17	0.048 (J)
9/7/2023							4.4		

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	2.6	1.6
5/2/2016		
5/3/2016		
5/4/2016	5.9	2.3
7/5/2016		
7/6/2016	4.9	1.9
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	6.4	0.95
9/8/2016		
11/7/2016		
11/8/2016	6	1.8
11/10/2016		
1/9/2017		
1/10/2017	5.4	1.9
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		0.38
3/16/2017	4.5	
5/15/2017		
5/16/2017	3.9	2
5/18/2017		
10/2/2017		
10/3/2017	0.93	0.67
10/5/2017		
12/20/2017	3	3
3/12/2018		
3/13/2018	3.6	2.9
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	3.4	2.9
6/10/2018		
10/16/2018		
10/17/2018	2.8	1.6
10/18/2018		
2/27/2019	2.8	
2/28/2019		2.5
5/31/2019	4.4	3.1
11/6/2019		
11/11/2019	16	10
4/16/2020		
4/18/2020	3	2.8
10/7/2020		
10/8/2020	2.4	
10/9/2020		0.68
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	5.1	3.2
9/2/2021		
9/7/2021	1.7	1.4
3/22/2022		
3/24/2022	3.2	3.4
9/7/2022		
9/8/2022		
9/12/2022	3	2.5
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		3.8
4/11/2023	4.5	
9/1/2023		
9/6/2023		1.7
9/7/2023	3.9	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/3/2016							57	2.5	1 (J)
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55				
5/4/2016				0.62			60	1.1	1
7/5/2016	0.65	0.94	0.43		0.53	1.6			
7/6/2016							54		
7/7/2016								0.71	0.62
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/7/2016								0.78	0.6
9/8/2016							68		
11/7/2016	0.8	1.2	0.56		0.68	1.5		0.82	
11/8/2016							84		0.53
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/10/2017							64	0.58	0.51
1/11/2017				0.42					
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/15/2017								0.69	0.53
3/16/2017							78		
5/15/2017	0.76	1	0.37		0.58	0.83	63		
5/16/2017								0.66	0.48
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017							43	0.68	0.46
10/5/2017				0.39					
12/20/2017							44		
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018							68	0.65	0.46
3/14/2018				0.49					
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			0.45
6/7/2018							89	0.6	
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66	93	0.73	
10/18/2018				0.41					0.48
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019							48	0.84	0.44
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52	47	2.6	0.55
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/11/2019							73	1.6 (V)	0.56 (V)
4/16/2020	0.84	1.3	0.36	0.38	0.53	0.59			
4/18/2020							93	0.9	0.48
10/7/2020	0.93	1.6	0.43	0.47	0.63	0.67			
10/8/2020							100		
10/9/2020								0.76	0.58
3/29/2021	1	1.6	0.46	0.43	0.68	0.75			
3/31/2021									0.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							97	0.61	
9/2/2021	1.1	1.5	0.47	0.63	0.56	0.73			
9/7/2021							56	0.53	0.46
3/22/2022	0.9	1.6	0.33	0.38	0.81	0.7			
3/24/2022							75	3.9	0.59
9/7/2022	1		0.61	0.6					
9/8/2022		2.1			0.69	0.82			
9/12/2022							74		0.71
9/16/2022								58	
4/6/2023	0.81	2.1	0.32	0.42		0.68			
4/7/2023					0.49				
4/10/2023								7.5	0.57
4/11/2023							73		
9/1/2023	0.88	2.1	0.33	0.39	0.52	0.66			
9/6/2023								29	0.67
9/7/2023							61		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	84	160
5/2/2016		
5/3/2016		
5/4/2016	90	140
7/5/2016		
7/6/2016	72	120
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	75	94
9/8/2016		
11/7/2016		
11/8/2016	79	160
11/10/2016		
1/9/2017		
1/10/2017	61	150
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		78
3/16/2017	62	
5/15/2017		
5/16/2017	64	120
5/18/2017		
10/2/2017		
10/3/2017	59	160
10/5/2017		
12/20/2017	65	120
3/12/2018		
3/13/2018	77	110
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	78	97
6/10/2018		
10/16/2018		
10/17/2018	60	130
10/18/2018		
2/27/2019	65	
2/28/2019		120
5/31/2019	84	110
11/6/2019		
11/11/2019	63	82
4/16/2020		
4/18/2020	48	150
10/7/2020		
10/8/2020	55	
10/9/2020		120
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	73	170
9/2/2021		
9/7/2021	66	190
3/22/2022		
3/24/2022	68	200
9/7/2022		
9/8/2022		
9/12/2022	63	130
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		230
4/11/2023	75	
9/1/2023		
9/6/2023		80
9/7/2023	73	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					5.6	4			
3/3/2016							36	7.9	8.2
5/2/2016	4.4	6.3	6			3.6			
5/3/2016					5.1				
5/4/2016				4.5			47	7	8.2
7/5/2016	4.2	4.8	5.2		4.7	3.6			
7/6/2016							28		
7/7/2016								7.1	8.3
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4.4	4			
9/7/2016								6.9	8.1
9/8/2016							47		
11/7/2016	4.2	5.7	5.4		4.6	4.4		8	
11/8/2016							150		8.5
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		5.3	4.4			
1/10/2017							110	<7.4 (*)	9.1
1/11/2017				5.3					
3/13/2017	5.2	6.8	5.5		5.6	4.1			
3/14/2017				5.5					
3/15/2017								8.1	48
3/16/2017							200		
5/15/2017	4.8	6.1	4.7		5.2	3.7	120		
5/16/2017								7.8	8.9
5/18/2017				5					
10/2/2017	5.5	6	6.1		5.5	4.8			
10/3/2017							38	7.1	8.9
10/5/2017				5.6					
12/20/2017							22	7.6	8.8
3/12/2018	5.3	5.9	6.1		5.6	4			
3/13/2018							82	6.9	8.3
3/14/2018				5.2					
6/5/2018	5.3	6.5	5.5						
6/6/2018					5.6	4.1			8
6/7/2018							170	7.3	
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					5.5	3.7	110	6.8	
10/18/2018				5.2					8.1
2/27/2019	4.6	4.3	5	5.1	5.1	4			
2/28/2019							49	7.1	9.1
5/31/2019	5.1	4.5	5.4	5	5.4	3.7	50	9.8	8.2
11/6/2019	5.8	5.7	6.1	6	5.9	4.7			
11/11/2019							63	12	8.4
4/16/2020	6.1	5.6	5.3	5.8	6.2	4.9			
4/18/2020							96	8.2	8.7
10/7/2020	6.6	5.1	5.7	5.9	6.1	4.7			
10/8/2020							230		
10/9/2020								7.5	8.9
3/29/2021	10	5	5.2	5.8	6.2	5.4			
3/31/2021									8.4

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							48	7.4	
9/2/2021	5.8	5.2	5.1	5.1	5.9	5.1			
9/7/2021							46	7	8.3
3/22/2022	5.9	8.8	4.7	4.9	5.6	4.8			
3/24/2022							36	9.2	9.2
9/7/2022	4.4		3.6	3.4					
9/8/2022		3.4			4.3	5.3			
9/12/2022							29		7.1
9/16/2022								21	
4/6/2023	4.3	4.2	3.8	3.6		4.2			
4/7/2023					4.1				
4/10/2023								6.4	6.1
4/11/2023							29		
9/1/2023	5.5	4.2	4.2	3.9	4.8	4.4			
9/6/2023								11	7.2
9/7/2023							30		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	43	110
5/2/2016		
5/3/2016		
5/4/2016	63	120
7/5/2016		
7/6/2016	51	130
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	57	43
9/8/2016		
11/7/2016		
11/8/2016	47	98
11/10/2016		
1/9/2017		
1/10/2017	45	150
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		65
3/16/2017	40	
5/15/2017		
5/16/2017	39	120
5/18/2017		
10/2/2017		
10/3/2017	20	21
10/5/2017		
12/20/2017	63	79
3/12/2018		
3/13/2018	130	84
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	120	86
6/10/2018		
10/16/2018		
10/17/2018	70	45
10/18/2018		
2/27/2019	94	
2/28/2019		110
5/31/2019	110	130
11/6/2019		
11/11/2019	62	81
4/16/2020		
4/18/2020	33	140
10/7/2020		
10/8/2020	36	
10/9/2020		14
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	96	71
9/2/2021		
9/7/2021	88	25
3/22/2022		
3/24/2022	64	140
9/7/2022		
9/8/2022		
9/12/2022	40	64
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		82
4/11/2023	20	
9/1/2023		
9/6/2023		34
9/7/2023	26	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/3/2016							0.15	0.035 (J)	0.041 (J)
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1				
5/4/2016				<0.1			0.11	<0.1	<0.1
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
7/6/2016							0.13		
7/7/2016								<0.1	<0.1
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016								<0.1	<0.1
9/8/2016							0.12		
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1		<0.1	
11/8/2016							0.13		<0.1
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/10/2017							0.15	<0.1	<0.1
1/11/2017				<0.1					
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/15/2017								<0.1	<0.1
3/16/2017							0.16		
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1	0.2		
5/16/2017								<0.1	<0.1
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							0.25	<0.1	<0.1
10/5/2017				<0.1					
12/20/2017							0.25		
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.26	<0.1	<0.1
3/14/2018				0.12					
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			<0.1
6/7/2018							0.28	<0.1	
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1	0.29	<0.1	
10/18/2018				<0.1					<0.1
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.28	<0.1	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							0.26	<0.1	<0.1
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							0.25	<0.1	<0.1
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/8/2020							<0.1		
10/9/2020								<0.1	<0.1
3/29/2021	0.06	<0.1	<0.1	<0.1	<0.1	<0.1			
3/31/2021									<0.1

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							0.26	0.032	
9/2/2021	0.08 (J)	<0.1	0.1	0.04 (J)	<0.1	0.04 (J)			
9/7/2021							0.24	<0.1	<0.1
3/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
3/24/2022							0.22	<0.1	<0.1
9/7/2022	<0.1		<0.1	<0.1					
9/8/2022		<0.1			<0.1	<0.1			
9/12/2022							0.15 (J)		<0.1
9/16/2022								4.6	
4/6/2023	<0.1	<0.1	<0.1	<0.1		<0.1			
4/7/2023					<0.1				
4/10/2023								0.81	<0.1
4/11/2023							0.19		
9/1/2023	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/6/2023								0.4	<0.1
9/7/2023							0.22		

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	0.11	0.12
5/2/2016		
5/3/2016		
5/4/2016	0.07 (J)	0.19
7/5/2016		
7/6/2016	0.07 (J)	0.15
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	0.06 (J)	0.06 (J)
9/8/2016		
11/7/2016		
11/8/2016	0.06 (J)	0.09 (J)
11/10/2016		
1/9/2017		
1/10/2017	0.04 (J)	<0.1
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.1
3/16/2017	0.06 (J)	
5/15/2017		
5/16/2017	0.09 (J)	0.04 (J)
5/18/2017		
10/2/2017		
10/3/2017	0.13	0.07 (J)
10/5/2017		
12/20/2017	0.1	
3/12/2018		
3/13/2018	0.1	<0.1
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	0.14	<0.1
6/10/2018		
10/16/2018		
10/17/2018	0.14	0.06 (J)
10/18/2018		
2/27/2019	0.16	
2/28/2019		<0.1
5/31/2019	0.2	<0.1
11/6/2019		
11/11/2019	0.16	<0.1
4/16/2020		
4/18/2020	0.17	<0.1
10/7/2020		
10/8/2020	0.07 (J)	
10/9/2020		0.04 (J)
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	0.19	0.04
9/2/2021		
9/7/2021	0.17	0.7
3/22/2022		
3/24/2022	0.14	<0.1
9/7/2022		
9/8/2022		
9/12/2022	<0.1	<0.1
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		<0.1
4/11/2023	0.17	
9/1/2023		
9/6/2023		<0.1
9/7/2023	0.18	

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-308	MW-304	MW-305
2/29/2016	<5	<5	1.6 (J)	<5					
3/1/2016					<5	<5			
3/3/2016							230	550	<5
5/2/2016	15 (o)		2.1 (J)	<5	<5				
5/3/2016						<5			
5/4/2016		<5					280	520	<5
7/5/2016	<5		2 (J)	<5	<5	<5			
7/6/2016							270	510	
7/7/2016									<5
7/8/2016		<5							
9/6/2016	<5	<5	1.8 (J)	<5	3.7 (J)	<5			
9/7/2016							280	340	<5
9/8/2016									
11/7/2016	<5		1.7 (J)	<5	<5	<5			<5
11/8/2016							280	630	
11/10/2016		<5							
1/9/2017	<5		1.5 (J)	2.6 (J)	<5	<5			
1/10/2017							240	580	<5
1/11/2017		<5							
3/13/2017	2.5 (J)		2.2 (J)	<5	<5	<5			
3/14/2017		<5							
3/15/2017								250	<5 (*)
3/16/2017							220		
5/15/2017	<5		1.9 (J)	<5	<5	<5			
5/16/2017							200	410	<5
5/18/2017		<5 (X)							
10/2/2017	<5		3.4 (J)	<5	1.7 (J)	1.5 (J)			
10/3/2017							180	440	<5
10/5/2017		<5							
12/20/2017							170	400	
3/12/2018	<5		2.6 (J)	<5	<5	<5			
3/13/2018							210	460	1.5 (J)
3/14/2018		<5							
6/5/2018	<5		2.6 (J)	<5					
6/6/2018					<5	<5			
6/7/2018							210	420	<5
6/10/2018		1.5 (J)							
10/16/2018	<5		2.8 (J)	<5					
10/17/2018					<5	<5	140	320	<5
10/18/2018		<5							
2/27/2019	<5	1.9 (J)	2.4 (J)	<5	<5	<5	150		
2/28/2019								490	2.6 (J)
5/31/2019	<5	<5	3.3 (J)	<5	<5	<5	210	500	12
11/6/2019	<5	<5	3.7 (J)	<5	<5	<5			
11/11/2019							170	340	5.5
4/16/2020	<5	<5	1.7 (J)	<5	<5	<5			
4/18/2020							120	600	<5
10/7/2020	<5	<5	4 (J)	<5	<5	<5			
10/8/2020							170		
10/9/2020								300	<5
3/29/2021	<5	<5	2.3	<5	<5	<5			
3/31/2021									

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-108 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-308	MW-304	MW-305
4/1/2021							190	750	1.9
9/2/2021	<5	<5	4.7 (J)	<5	<5	<5			
9/7/2021							140	530	<5
3/22/2022	<5	<5	4.5 (J)	<5	<5	<5			
3/24/2022							1700	680	18
9/7/2022	1.7 (J)	1.5 (J)		1.4 (J)					
9/8/2022			5.5		<5	<5			
9/12/2022							140	450	
9/16/2022									530
4/6/2023	<5	<5	4.8 (J)	<5	<5				
4/7/2023						<5			
4/10/2023								610	74
4/11/2023							110		
9/1/2023	<5	<5	3.8 (J)	<5	<5	<5			
9/6/2023								210	170
9/7/2023							140		

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-300
2/29/2016		
3/1/2016		
3/3/2016	180	<5
5/2/2016		
5/3/2016		
5/4/2016	200	<5
7/5/2016		
7/6/2016	150	
7/7/2016		<5
7/8/2016		
9/6/2016		
9/7/2016		<5
9/8/2016	160	
11/7/2016		
11/8/2016	230	<5
11/10/2016		
1/9/2017		
1/10/2017	190	<5
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<5 (*)
3/16/2017	190	
5/15/2017	190	
5/16/2017		<5
5/18/2017		
10/2/2017		
10/3/2017	130	<5
10/5/2017		
12/20/2017	85	
3/12/2018		
3/13/2018	160	<5
3/14/2018		
6/5/2018		
6/6/2018		<5
6/7/2018	280	
6/10/2018		
10/16/2018		
10/17/2018	250	
10/18/2018		<5
2/27/2019		
2/28/2019	140	<5
5/31/2019	140	<5
11/6/2019		
11/11/2019	230	<5
4/16/2020		
4/18/2020	260	<5
10/7/2020		
10/8/2020	160	
10/9/2020		<5
3/29/2021		
3/31/2021		18

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-300
4/1/2021	320	
9/2/2021		
9/7/2021	120	<5
3/22/2022		
3/24/2022	180	<5
9/7/2022		
9/8/2022		
9/12/2022	190	<5
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		<5
4/11/2023	180	
9/1/2023		
9/6/2023		<5
9/7/2023	150	

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/3/2016							420	18	18
5/2/2016	<5	6	<5			36			
5/3/2016					<5				
5/4/2016				6			450	38	28
7/5/2016	12	<5	14		<5	<5			
7/6/2016							280		
7/7/2016								<5	<5
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/7/2016								14	8
9/8/2016							410		
11/7/2016	18	<5	8		<5	30		32	
11/8/2016							580		24
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/10/2017							530	32	30
1/11/2017				38					
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/15/2017								20	32
3/16/2017							650		
5/15/2017	<5	<5	<5		6	4 (J)	500		
5/16/2017								18	<5
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017							310	36	34
10/5/2017				<5					
12/20/2017							150		
3/12/2018	18	<5	14		<5	<5			
3/13/2018							450	12	26
3/14/2018				8					
6/5/2018	10	14	<5						
6/6/2018					20	16			64
6/7/2018							620	<5	
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44	700	68	
10/18/2018				28					12
2/27/2019	110	110	54	68	20	28			
2/28/2019							330	28	20
5/31/2019	46	26	8	<5	32	18	300	50	36
11/6/2019	<5	<5	4 (J)	10	24	20			
11/11/2019							390	38	66
4/16/2020	28	8	18	44	6	8			
4/18/2020							520	36	62
10/7/2020	30	26	20	24	16	12			
10/8/2020							850		
10/9/2020								42	52
3/29/2021	38	28	12	26	42	40			
3/31/2021									48

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
4/1/2021							600	52	
9/2/2021	40	8	10	8	10	<5			
9/7/2021							360	24	54
3/22/2022	58	46	18	14	84	22			
3/24/2022							440	62	16
9/7/2022	36		22	14					
9/8/2022		44			24	48			
9/12/2022							460		22
9/16/2022								770	
4/6/2023	34	14	22	24		16			
4/7/2023					24				
4/10/2023								150	24
4/11/2023							440		
9/1/2023	36	32	16	18	16	22			
9/6/2023								340	22
9/7/2023							400		

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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	490	1100
5/2/2016		
5/3/2016		
5/4/2016	690	1200
7/5/2016		
7/6/2016	500	870
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	590	650
9/8/2016		
11/7/2016		
11/8/2016	530	1100
11/10/2016		
1/9/2017		
1/10/2017	510	1300
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		500
3/16/2017	420	
5/15/2017		
5/16/2017	430	850
5/18/2017		
10/2/2017		
10/3/2017	320	760
10/5/2017		
12/20/2017	410	830
3/12/2018		
3/13/2018	590	880
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	530	670
6/10/2018		
10/16/2018		
10/17/2018	390	770
10/18/2018		
2/27/2019	420	
2/28/2019		880
5/31/2019	620	1200
11/6/2019		
11/11/2019	410	370
4/16/2020		
4/18/2020	280	1000
10/7/2020		
10/8/2020	380	
10/9/2020		580
3/29/2021		
3/31/2021		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 9:25 PM View: 300 Series - Interwell

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-308	MW-304
4/1/2021	560	1200
9/2/2021		
9/7/2021	450	1000
3/22/2022		
3/24/2022	470	1400
9/7/2022		
9/8/2022		
9/12/2022	370	930
9/16/2022		
4/6/2023		
4/7/2023		
4/10/2023		1400
4/11/2023	480	
9/1/2023		
9/6/2023		540
9/7/2023	380	

Trend Tests - 100, 200 & 300 Series

100 Series

Appendix III - 100 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.06278**	**137**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-104**	**4.423**	**156**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4221**	**175**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.283**	**161**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-105**	**0.05023**	**151**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-103**	**-1.701**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 100 Series - Trend Tests - All Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	56	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-79	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.01462	-43	-105	No	24	12.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.1615	39	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.008847	7	105	No	24	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	18	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	48	98	No	23	60.87	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.06278**	**137**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.1627	100	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-84	-98	No	23	73.91	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-83	-98	No	23	73.91	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.004517	-33	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-103	-0.09779	-76	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-104**	**4.423**	**156**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-105	0.1842	15	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01923	-85	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4221**	**175**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	0.3555	24	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0.002862	14	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.154	88	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	-0.02879	-11	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-103	0.6255	75	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-104	0	-11	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	-2.26	-84	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**2.283**	**161**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	-1.925	-22	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.08492	39	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01832	-49	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01762	-43	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01373	65	105	No	24	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-105**	**0.05023**	**151**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-107 (bg)	-0.007849	-13	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01553	-40	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-25	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.01406	-55	-105	No	24	4.167	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	98	No	23	95.65	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	9	98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-7	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-18	-98	No	23	86.96	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-102	0	15	98	No	23	73.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-103**	**-1.701**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-104	27.4	47	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	0.9412	16	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-7	-98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-109	1.516	73	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	4.942	47	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	6	98	No	23	95.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	21	98	No	23	91.3	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	33	98	No	23	13.04	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	17.31	26	105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	-5.899	-29	-105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	81	98	No	23	30.43	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.644	83	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	14.32	35	105	No	24	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.009	84	98	No	23	21.74	n/a	n/a	0.01	NP

Appendix III - 100 Series - Trend Tests - All Results

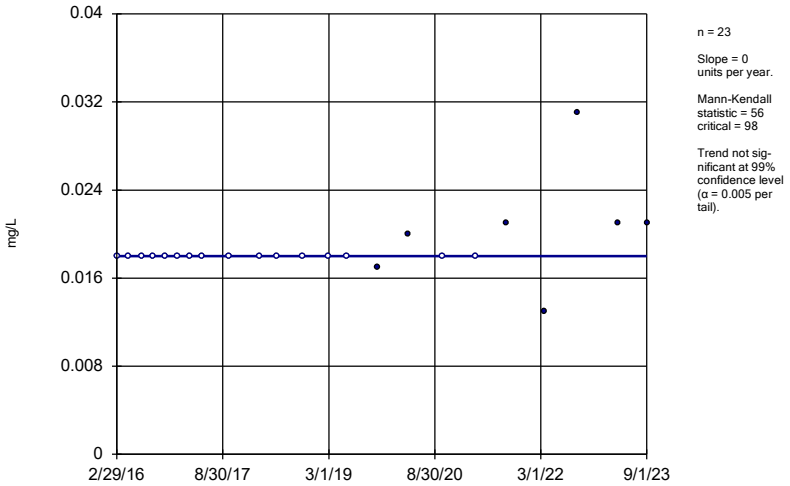
Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 8:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	20	98	No	23	17.39	n/a	n/a	0.01	NP

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 56 critical = 98

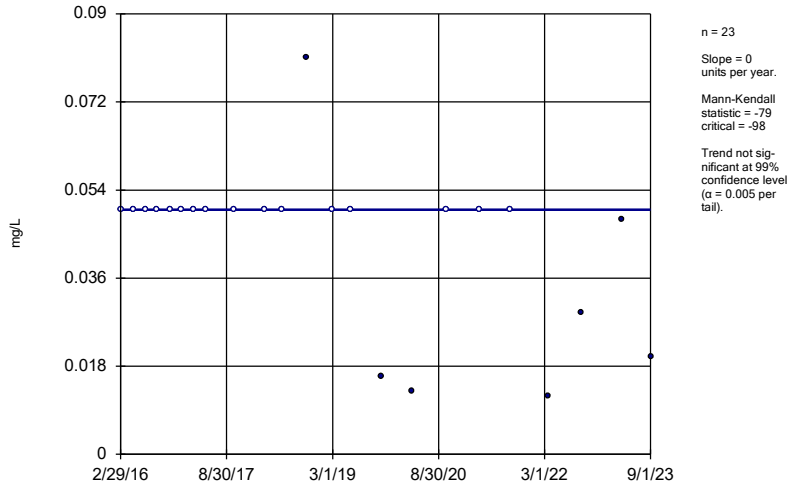
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -79 critical = -98

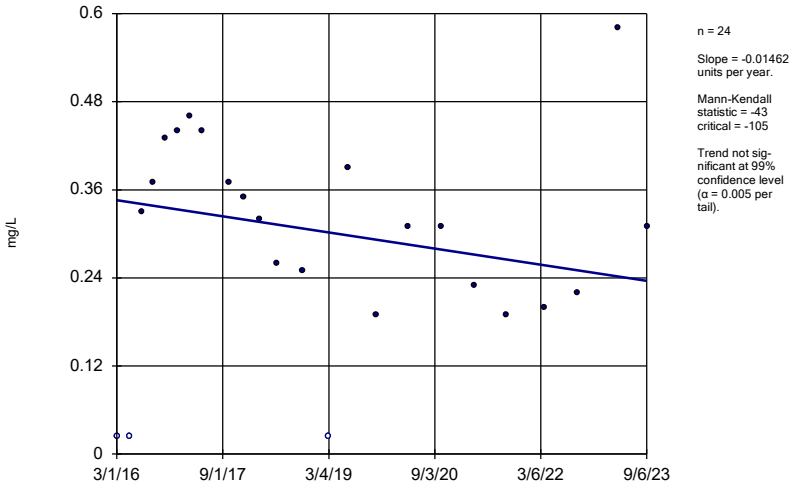
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-103



n = 24

Slope = -0.01462 units per year.

Mann-Kendall statistic = -43 critical = -105

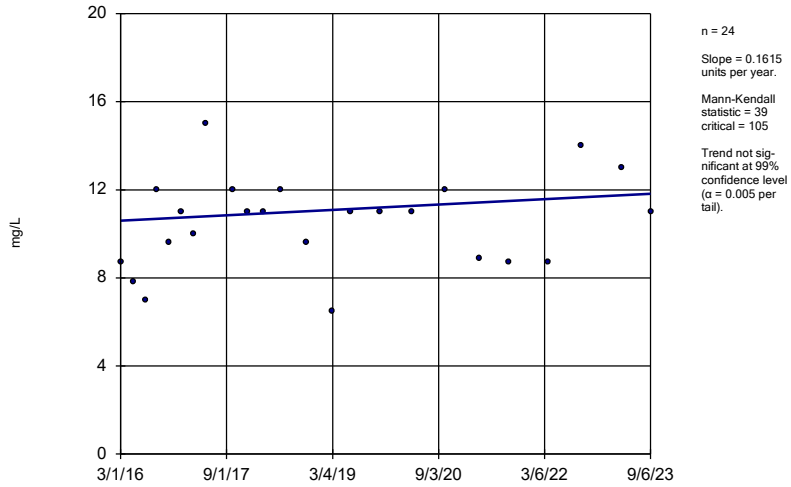
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 0.1615 units per year.

Mann-Kendall statistic = 39 critical = 105

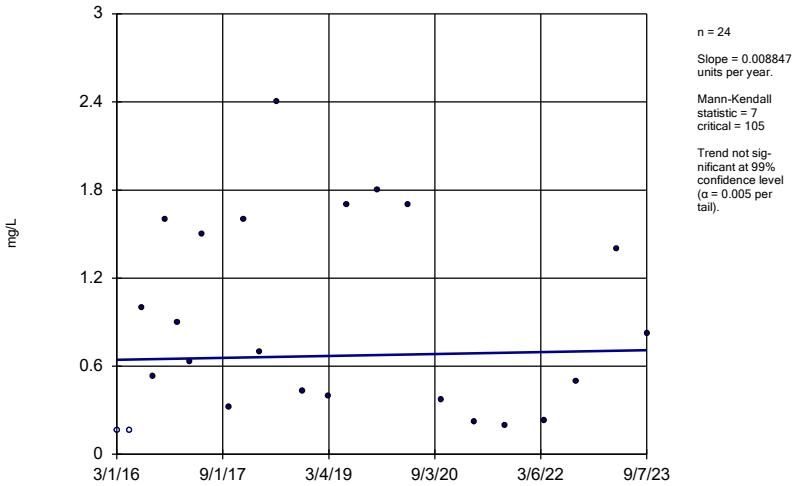
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-105



n = 24

Slope = 0.008847 units per year.

Mann-Kendall statistic = 7
critical = 105

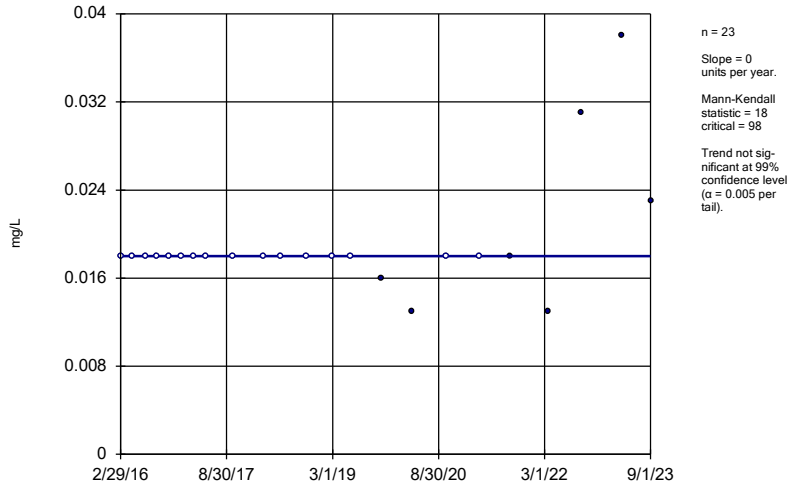
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 98

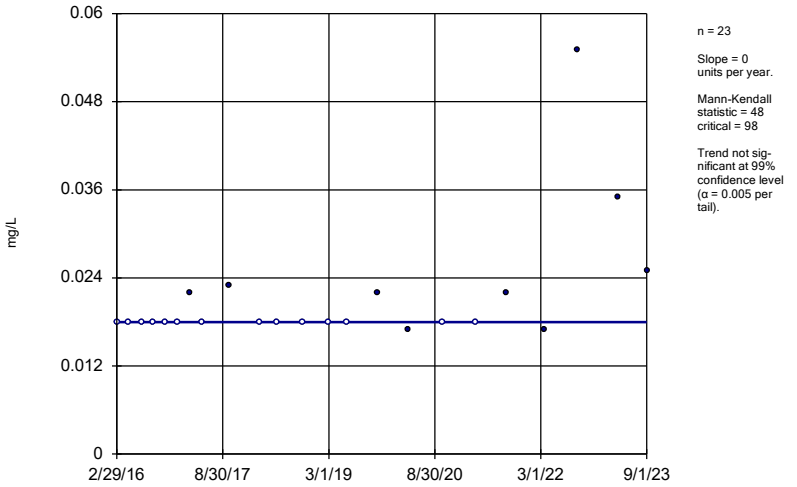
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 48
critical = 98

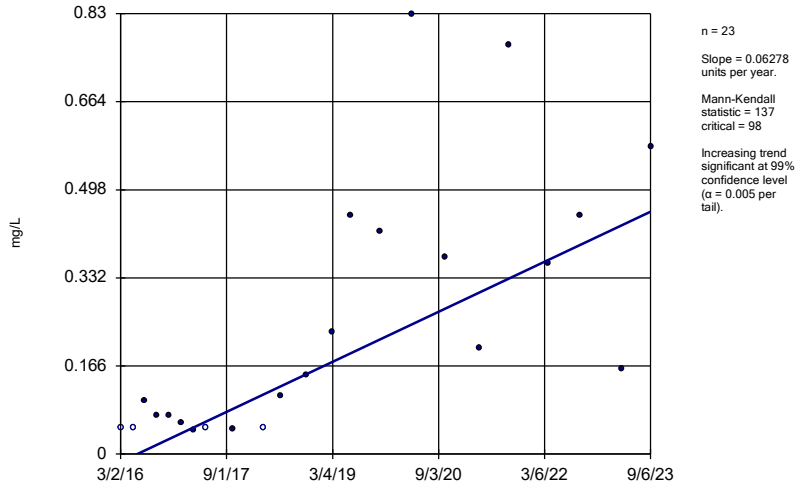
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-109



n = 23

Slope = 0.06278 units per year.

Mann-Kendall statistic = 137
critical = 98

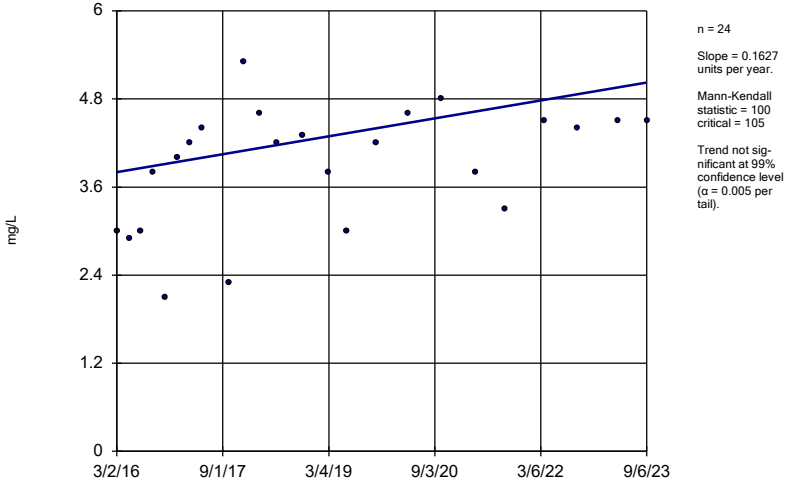
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-110



n = 24

Slope = 0.1627 units per year.

Mann-Kendall statistic = 100 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

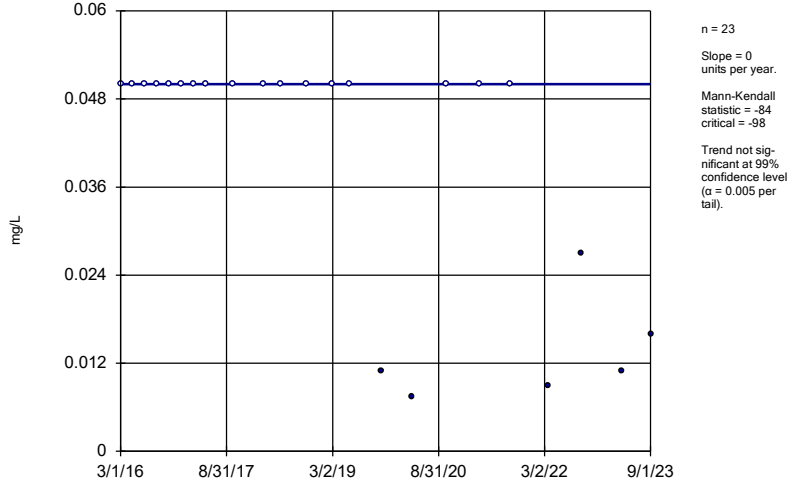
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -84 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

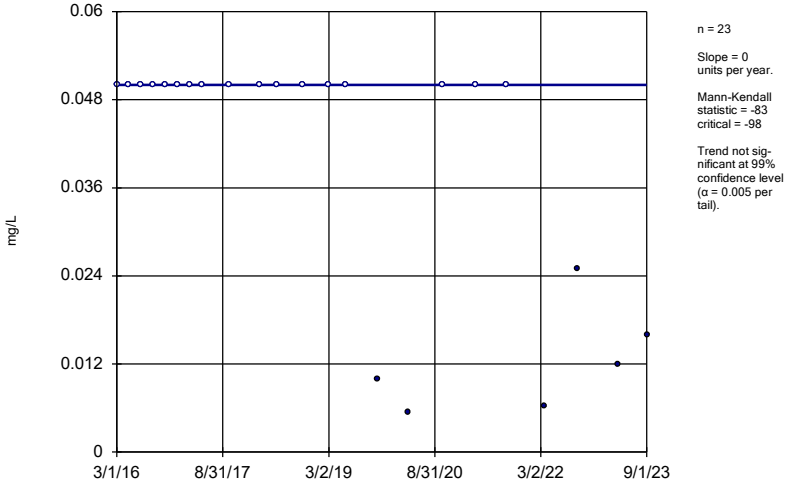
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -83 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

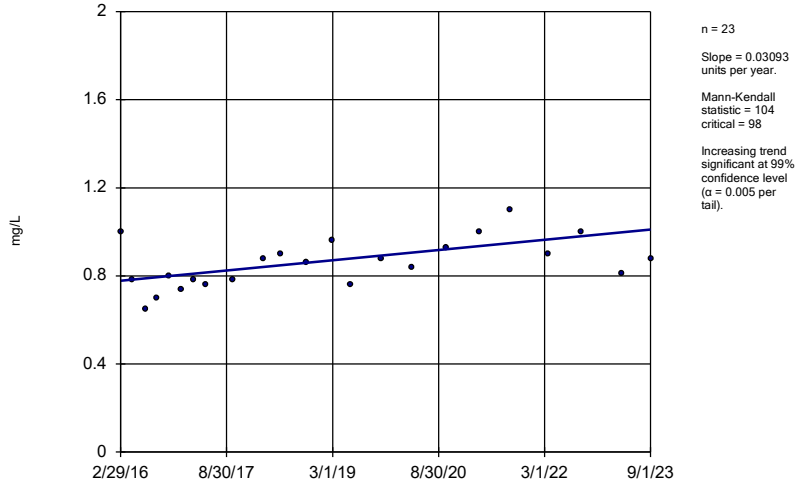
Constituent: Boron Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0.03093 units per year.

Mann-Kendall statistic = 104 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

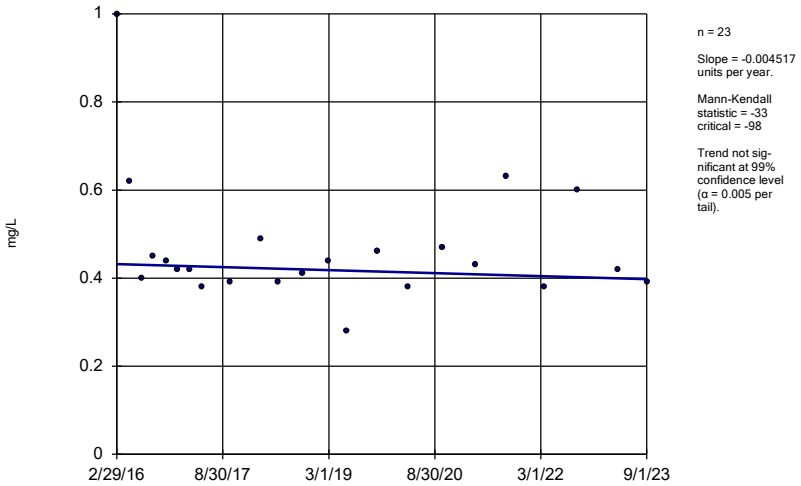
Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.004517 units per year.

Mann-Kendall statistic = -33
critical = -98

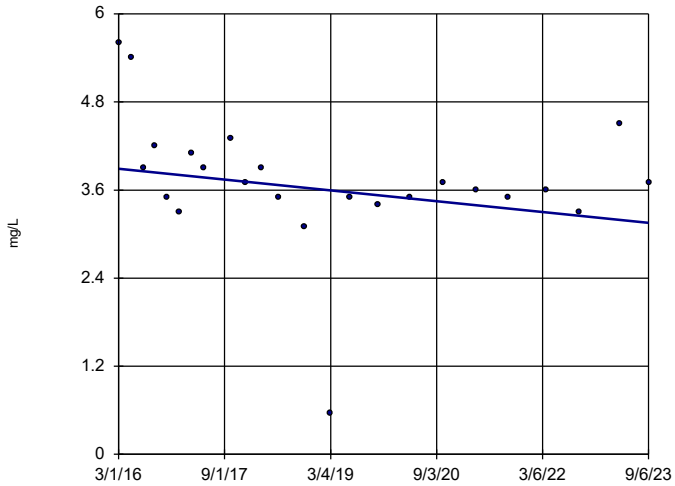
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-103



n = 24

Slope = -0.09779 units per year.

Mann-Kendall statistic = -76
critical = -105

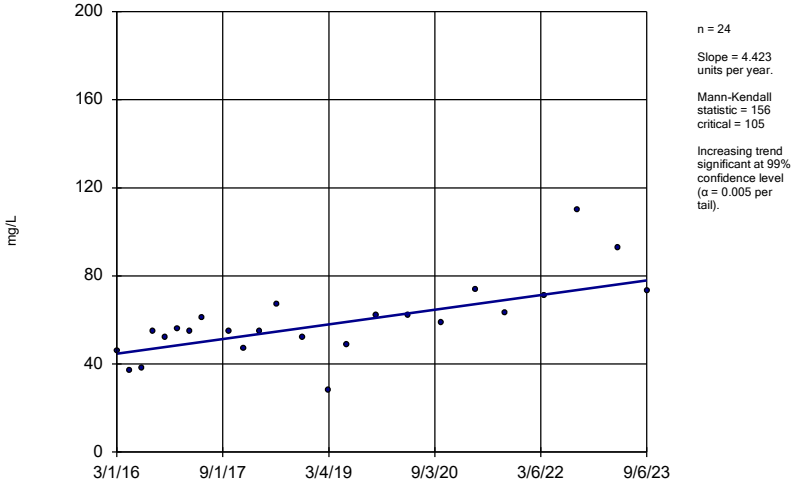
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 4.423 units per year.

Mann-Kendall statistic = 156
critical = 105

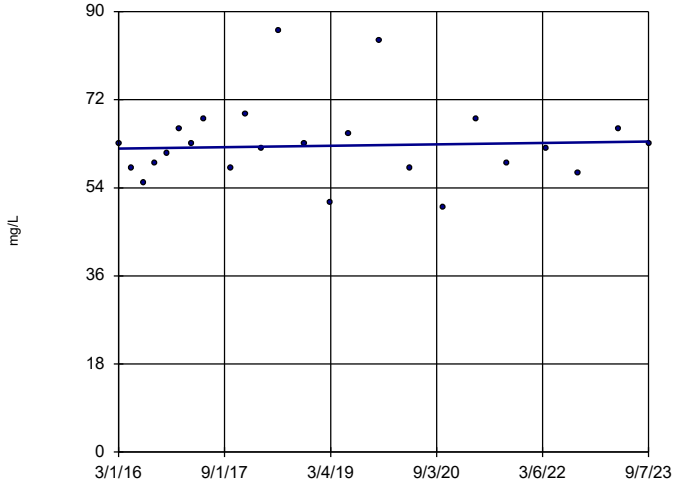
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-105



n = 24

Slope = 0.1842 units per year.

Mann-Kendall statistic = 15
critical = 105

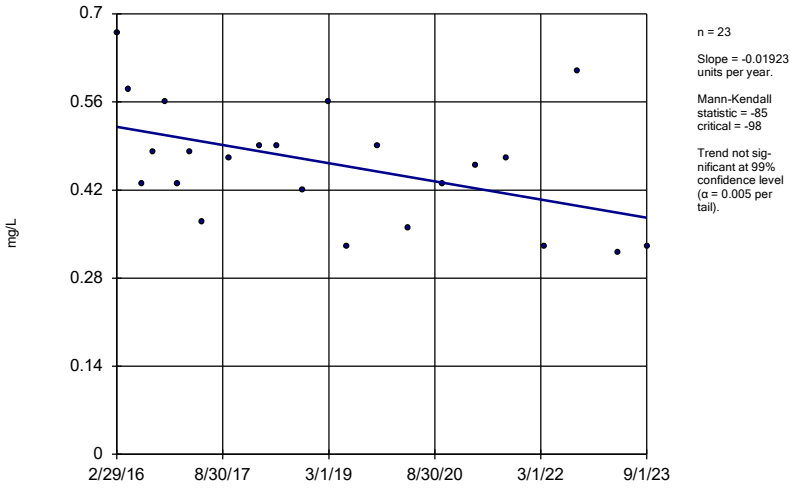
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.01923 units per year.

Mann-Kendall statistic = -85 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

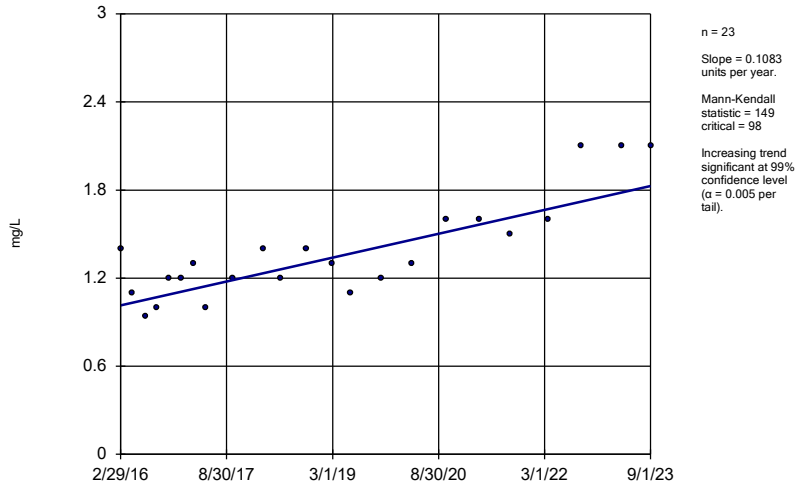
Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0.1083 units per year.

Mann-Kendall statistic = 149 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

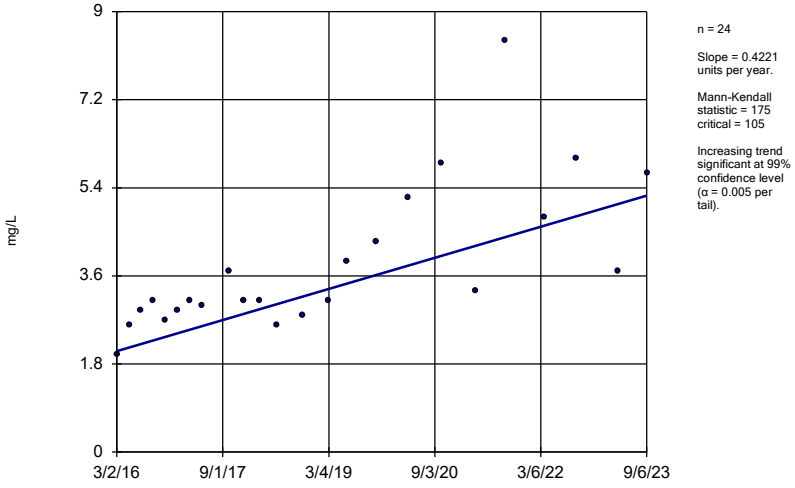
Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-109



n = 24

Slope = 0.4221 units per year.

Mann-Kendall statistic = 175 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

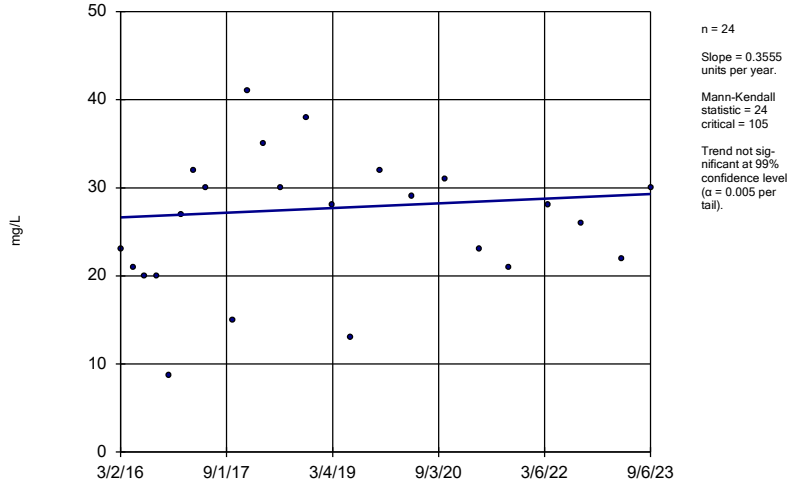
Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-110



n = 24

Slope = 0.3555 units per year.

Mann-Kendall statistic = 24 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

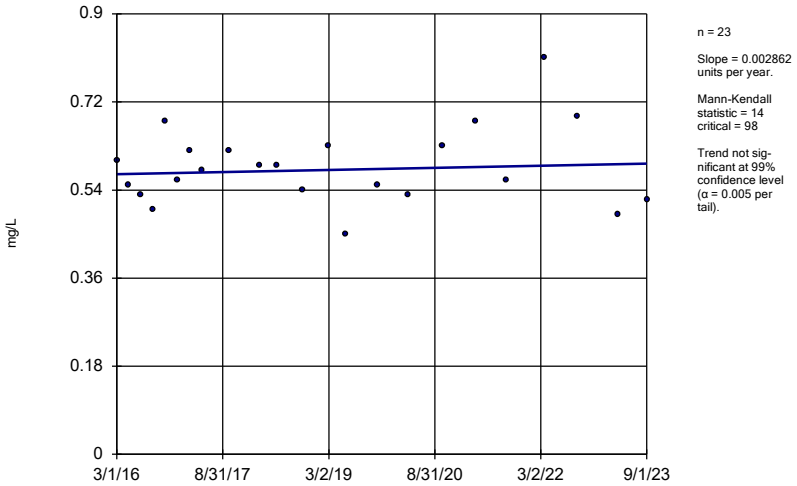
Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0.002862 units per year.

Mann-Kendall statistic = 14
critical = 98

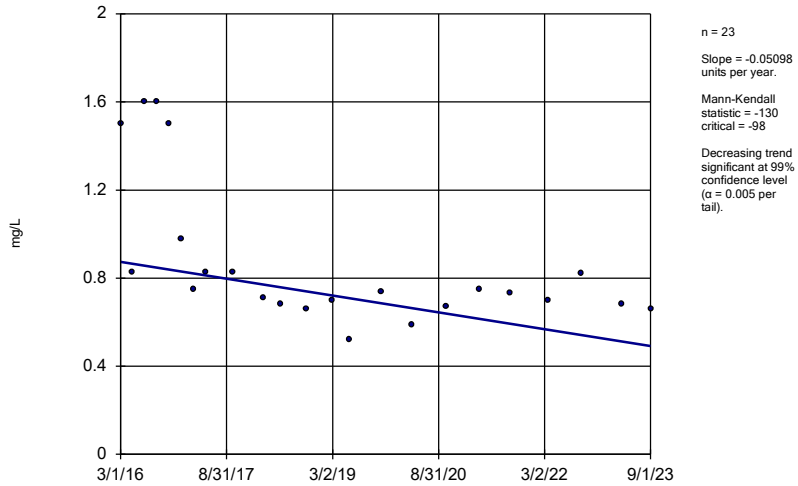
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = -0.05098 units per year.

Mann-Kendall statistic = -130
critical = -98

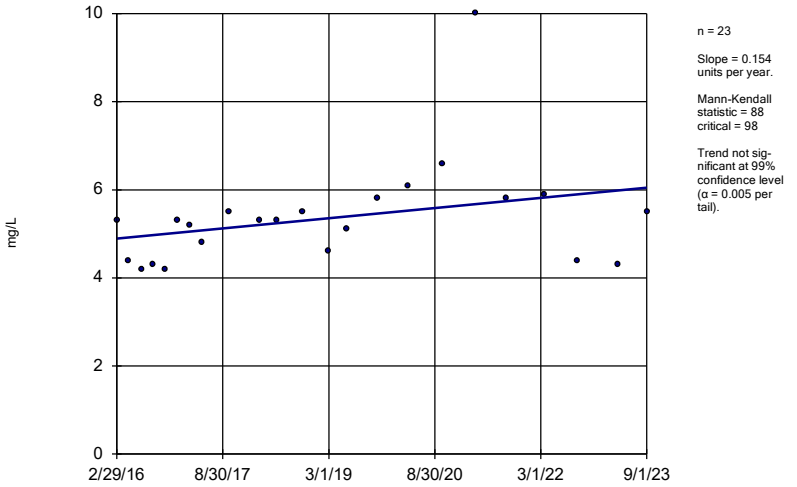
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0.154 units per year.

Mann-Kendall statistic = 88
critical = 98

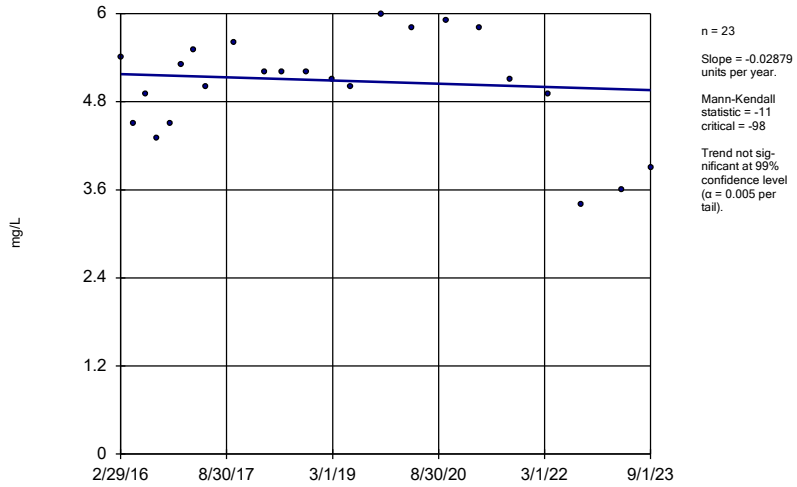
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.02879 units per year.

Mann-Kendall statistic = -11
critical = -98

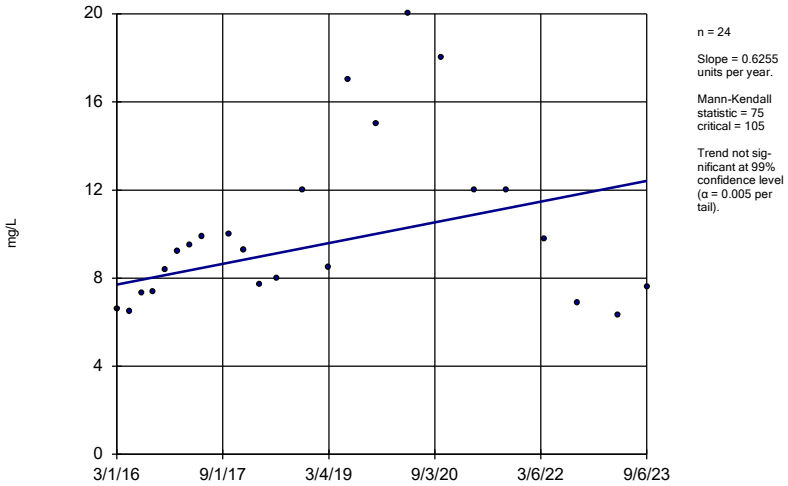
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-103



n = 24

Slope = 0.6255 units per year.

Mann-Kendall statistic = 75 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

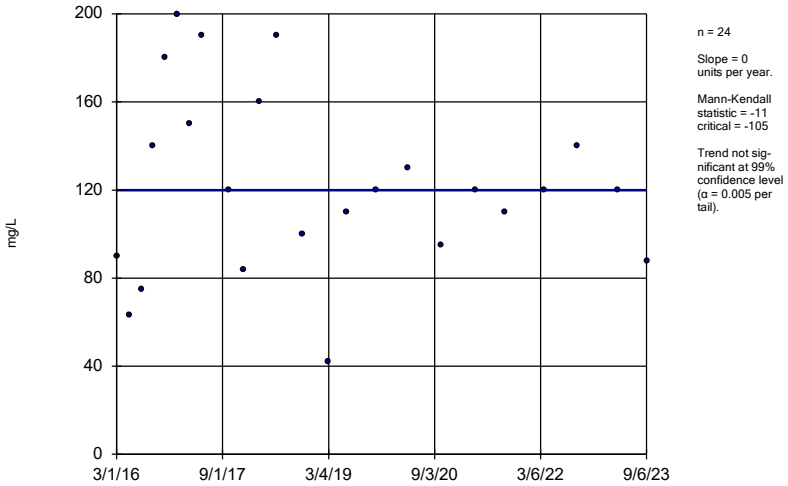
Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -11 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

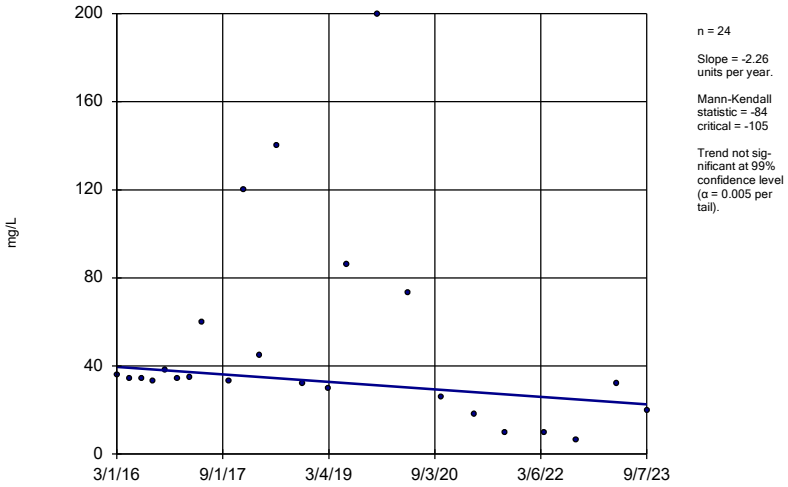
Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-105



n = 24

Slope = -2.26 units per year.

Mann-Kendall statistic = -84 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

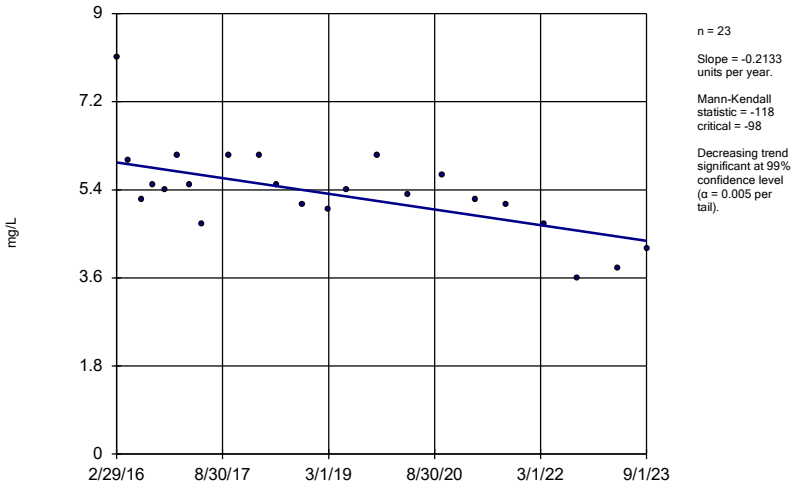
Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.2133 units per year.

Mann-Kendall statistic = -118 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

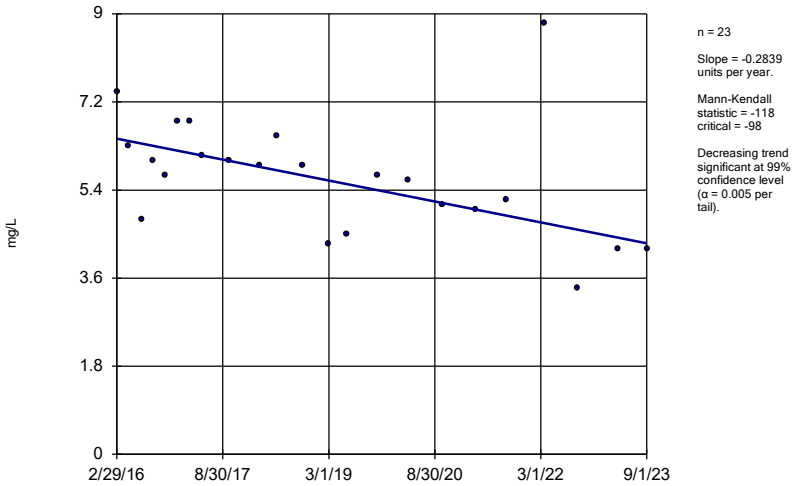
Constituent: Chloride Analysis Run 11/29/2023 8:10 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = -0.2839 units per year.

Mann-Kendall statistic = -118
critical = -98

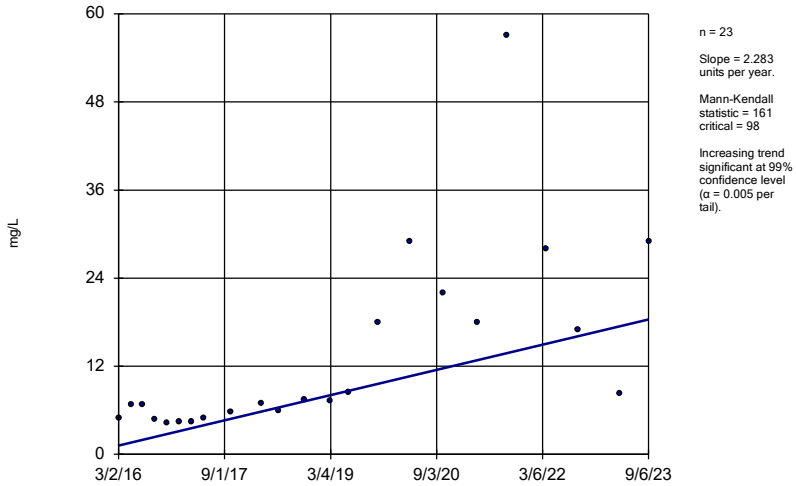
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-109



n = 23

Slope = 2.283 units per year.

Mann-Kendall statistic = 161
critical = 98

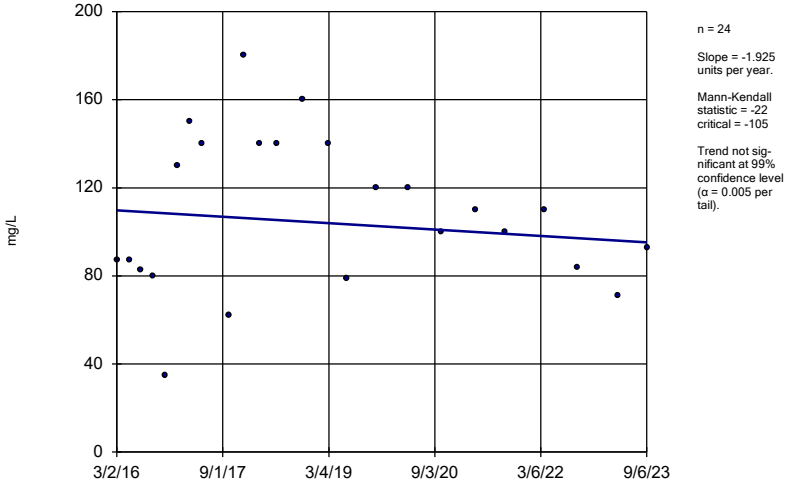
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-110



n = 24

Slope = -1.925 units per year.

Mann-Kendall statistic = -22
critical = -105

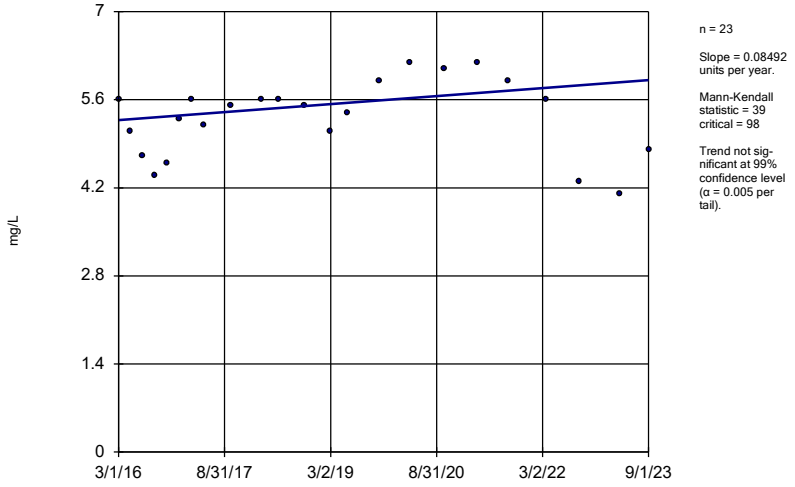
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0.08492 units per year.

Mann-Kendall statistic = 39
critical = 98

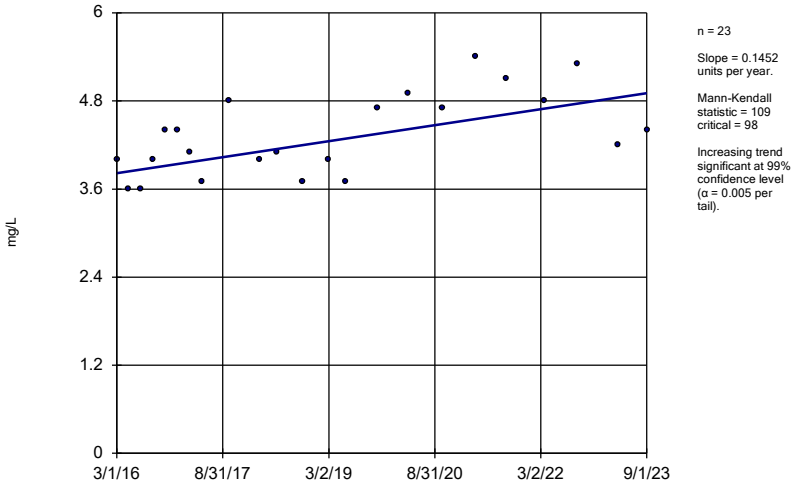
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0.1452 units per year.

Mann-Kendall statistic = 109
critical = 98

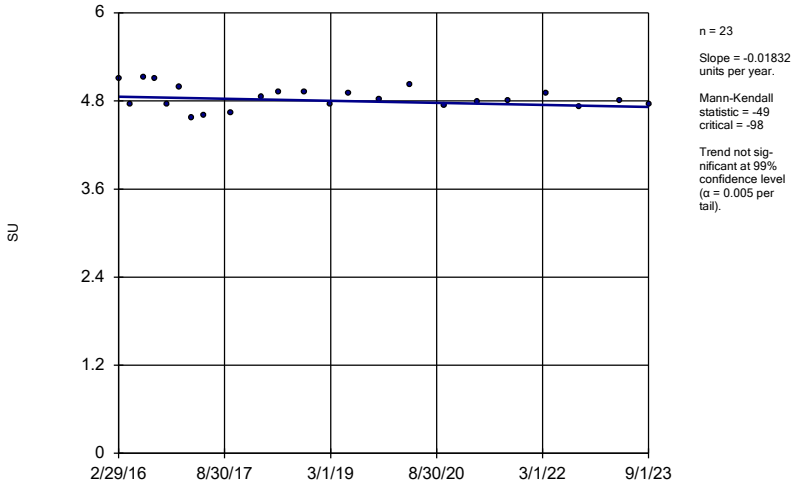
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = -0.01832 units per year.

Mann-Kendall statistic = -49
critical = -98

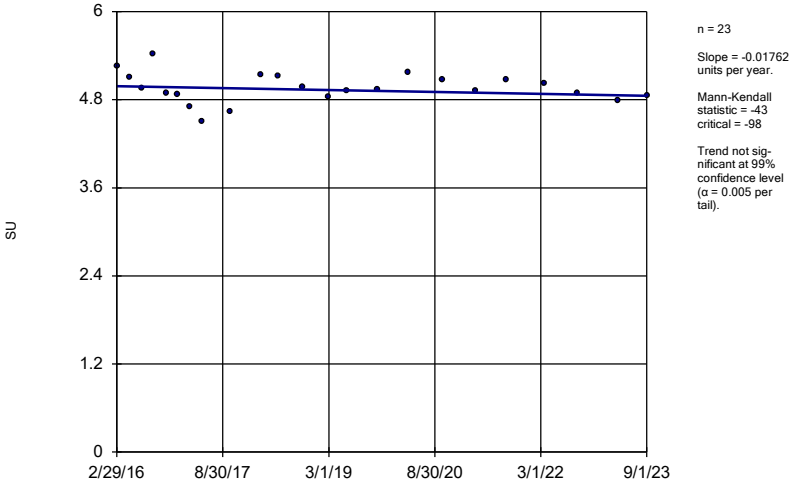
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.01762 units per year.

Mann-Kendall statistic = -43
critical = -98

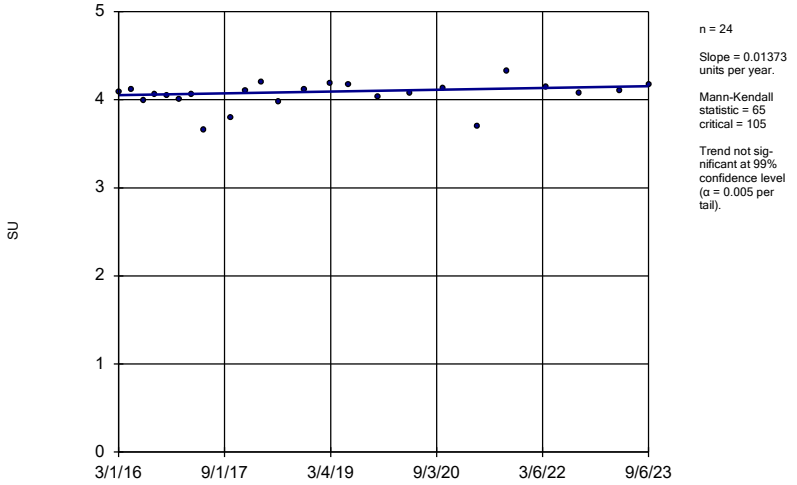
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 0.01373 units per year.

Mann-Kendall statistic = 65
critical = 105

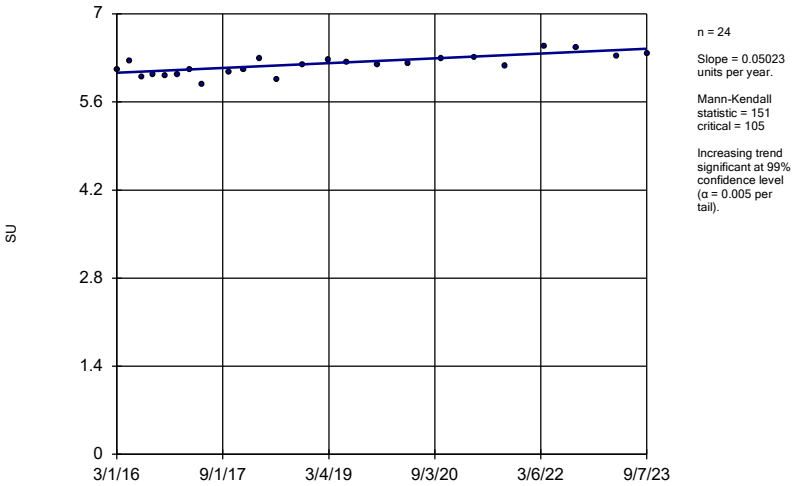
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-105



n = 24

Slope = 0.05023 units per year.

Mann-Kendall statistic = 151
critical = 105

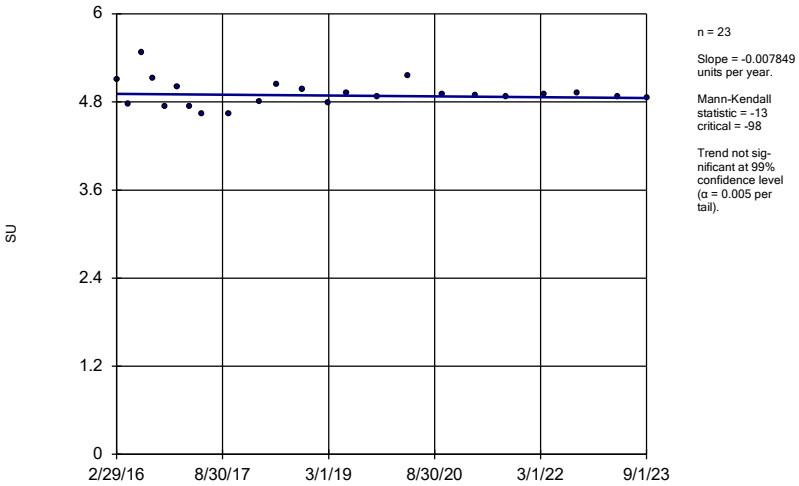
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.007849 units per year.

Mann-Kendall statistic = -13
critical = -98

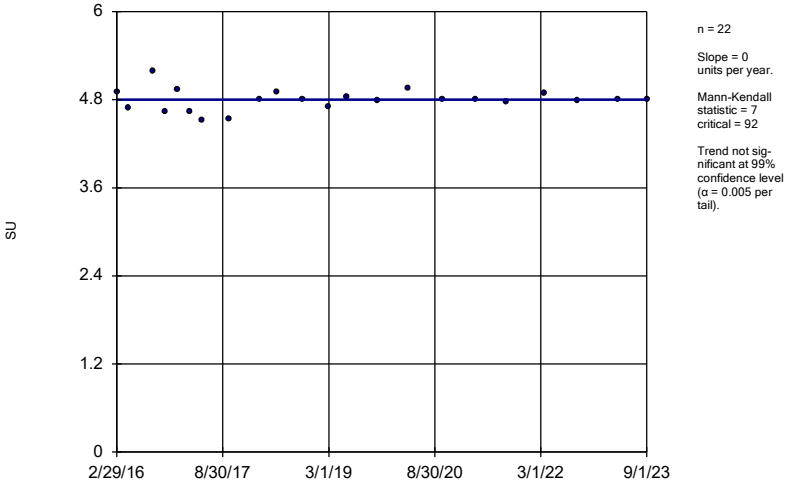
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 92

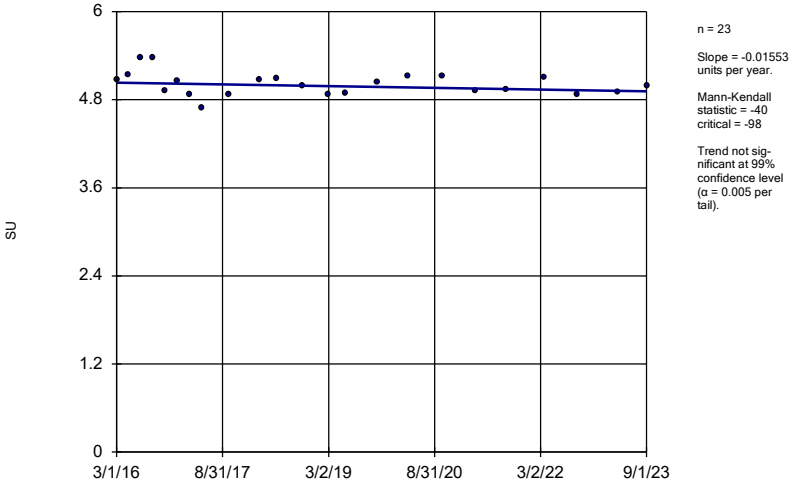
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = -0.01553 units per year.

Mann-Kendall statistic = -40
critical = -98

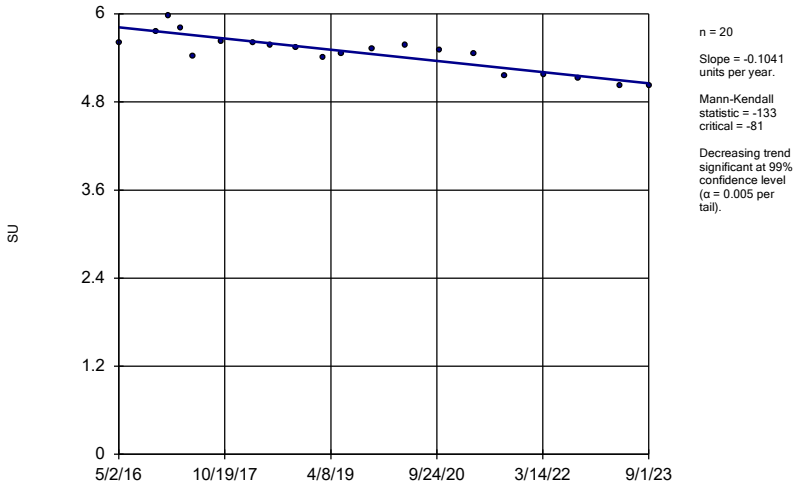
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 20

Slope = -0.1041 units per year.

Mann-Kendall statistic = -133
critical = -81

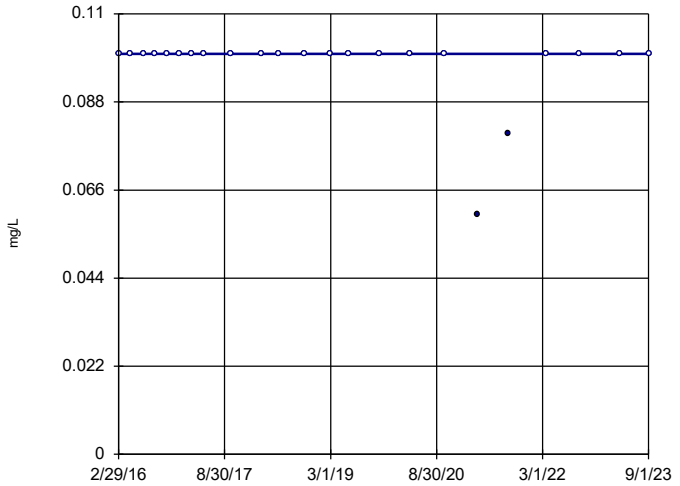
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -25
critical = -98

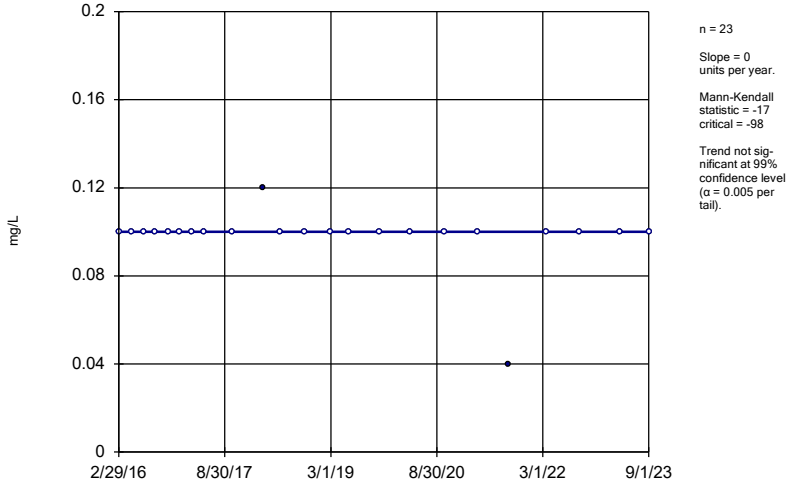
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -98

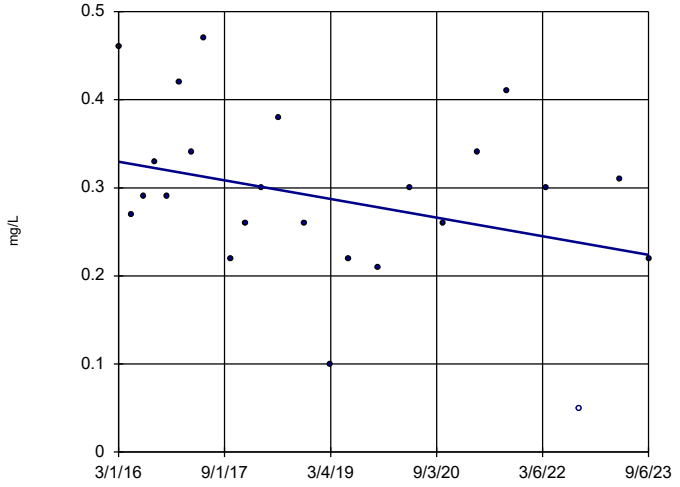
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-104



n = 24

Slope = -0.01406 units per year.

Mann-Kendall statistic = -55
critical = -105

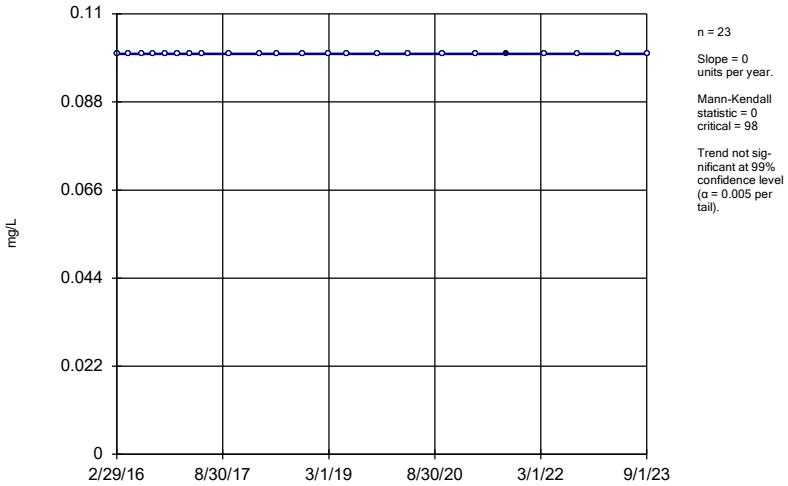
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 98

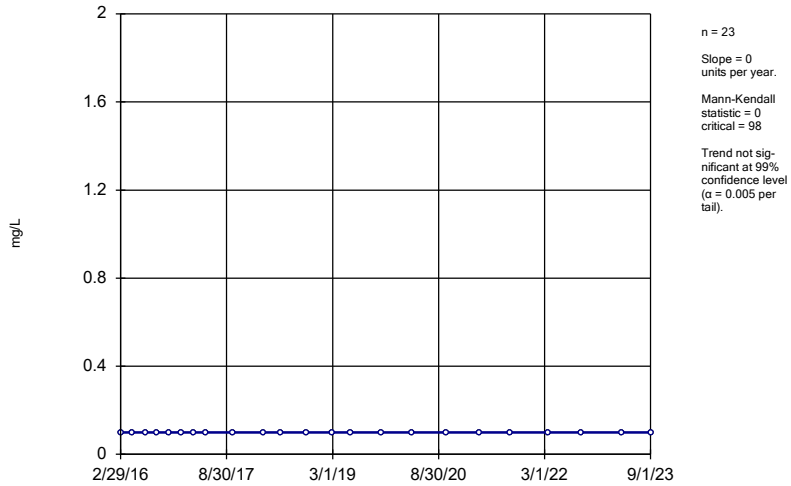
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 98

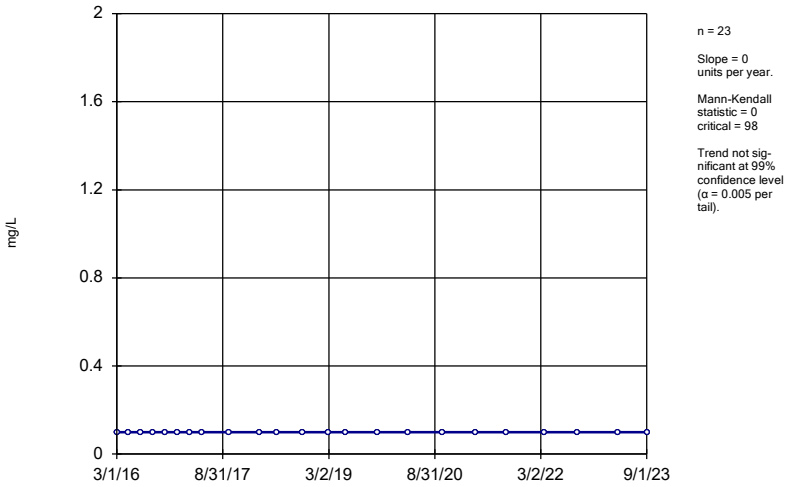
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 98

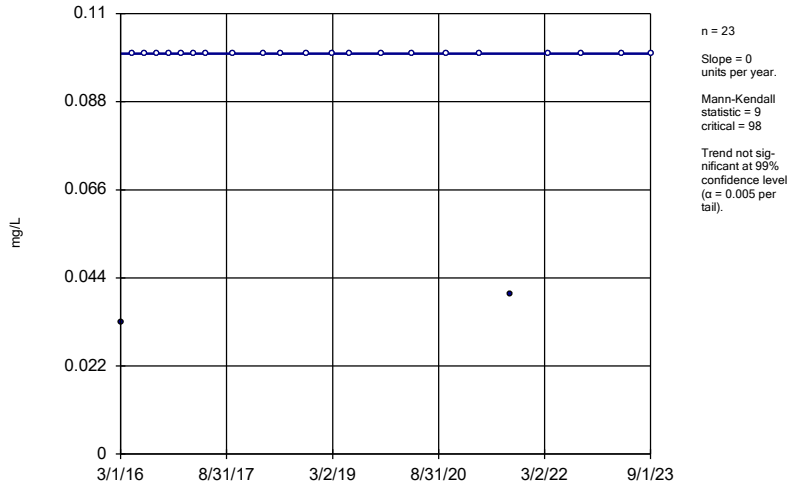
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 9
critical = 98

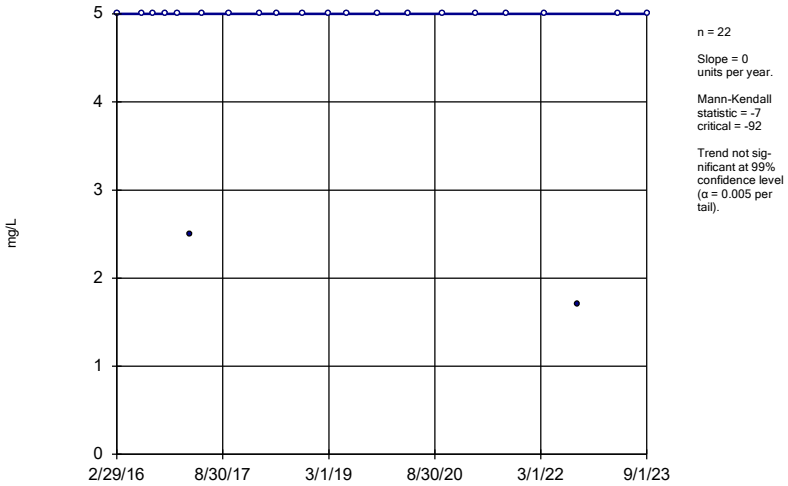
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -7
critical = -92

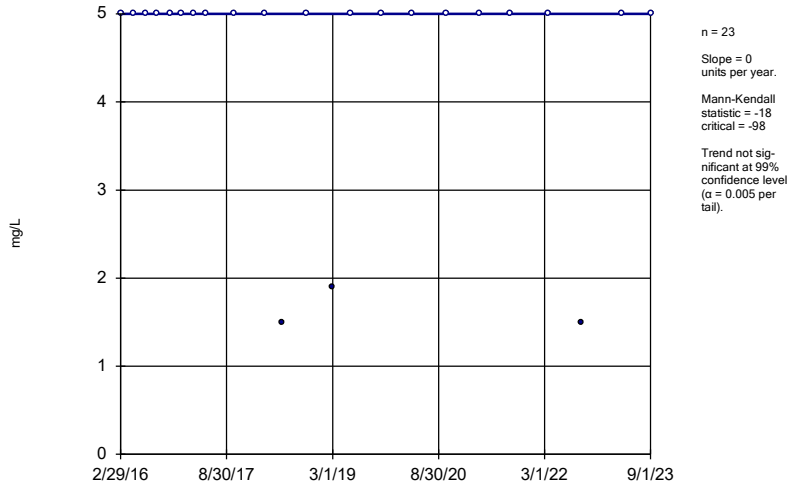
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = -18
critical = -98

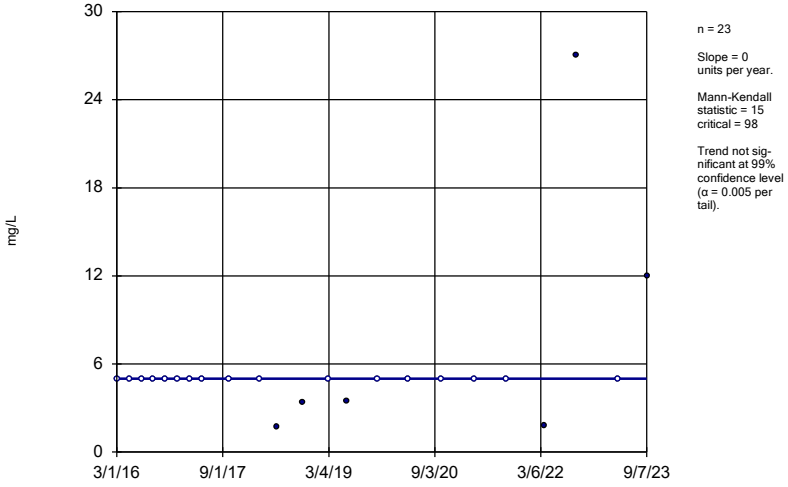
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-102



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 15
critical = 98

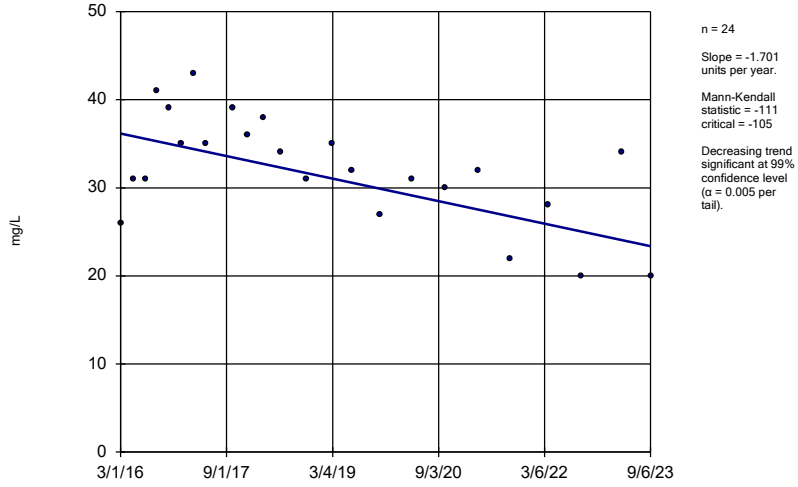
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-103



n = 24

Slope = -1.701
units per year.

Mann-Kendall
statistic = -111
critical = -105

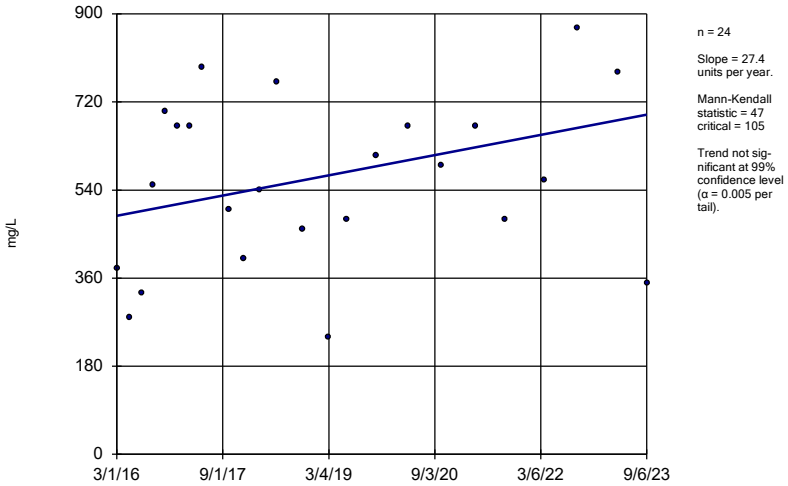
Decreasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 27.4 units per year.

Mann-Kendall statistic = 47 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

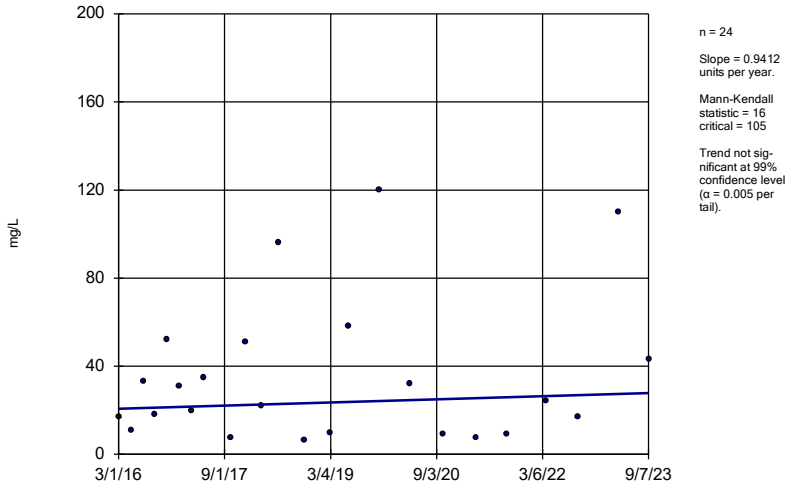
Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-105



n = 24

Slope = 0.9412 units per year.

Mann-Kendall statistic = 16 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

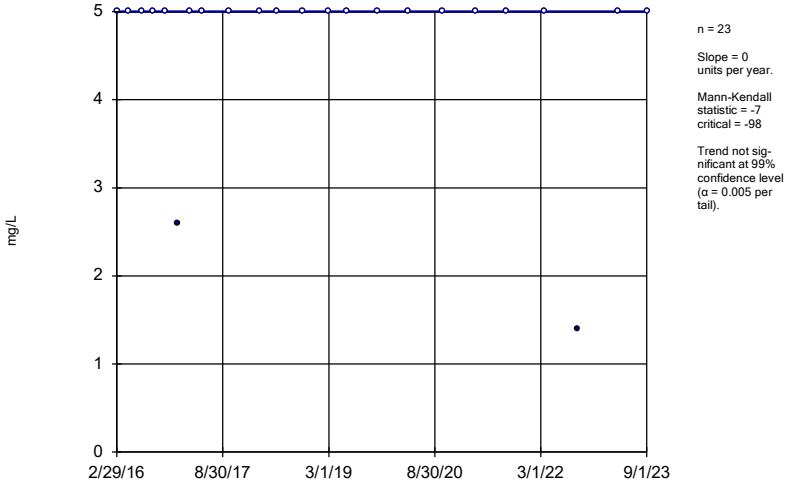
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

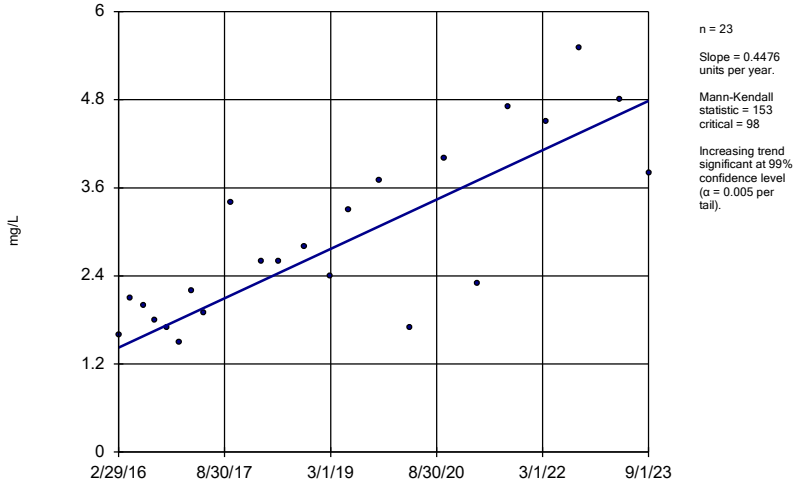
Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0.4476 units per year.

Mann-Kendall statistic = 153 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

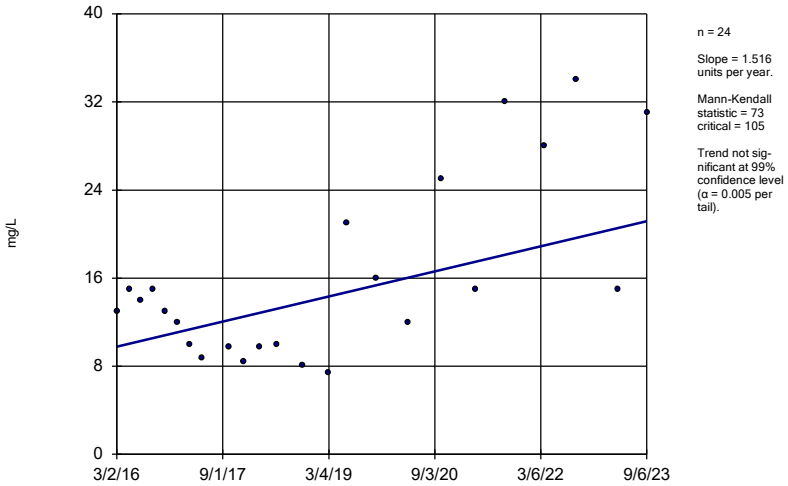
Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-109



n = 24

Slope = 1.516 units per year.

Mann-Kendall statistic = 73 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

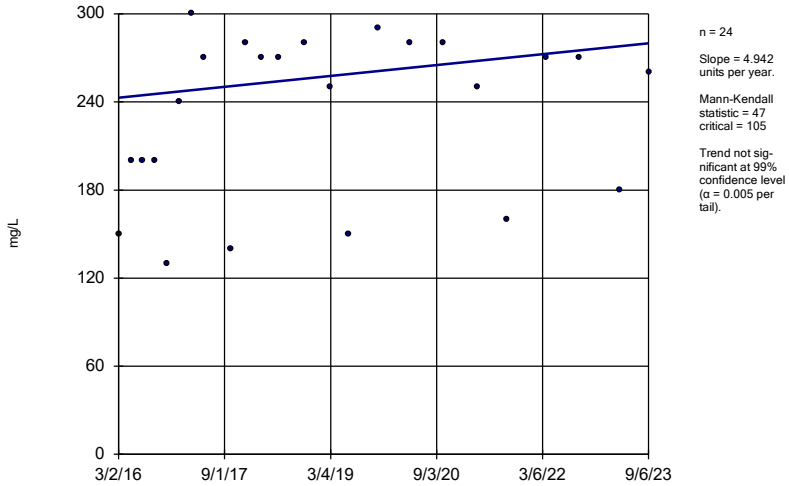
Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-110



n = 24

Slope = 4.942 units per year.

Mann-Kendall statistic = 47 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

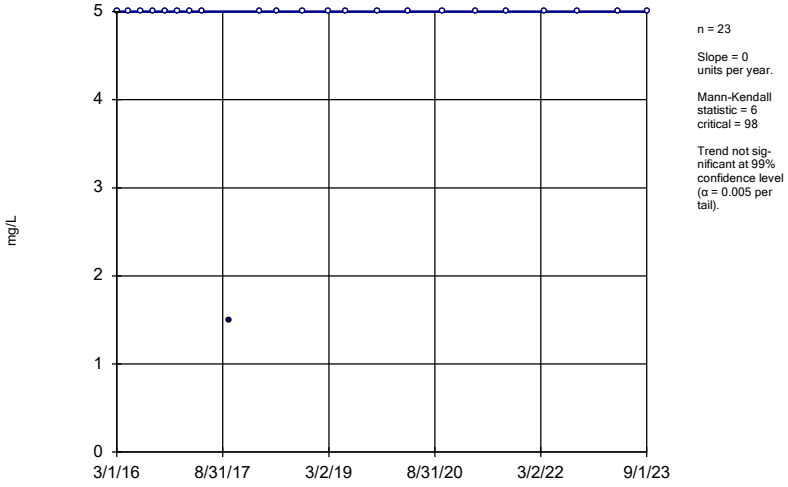
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

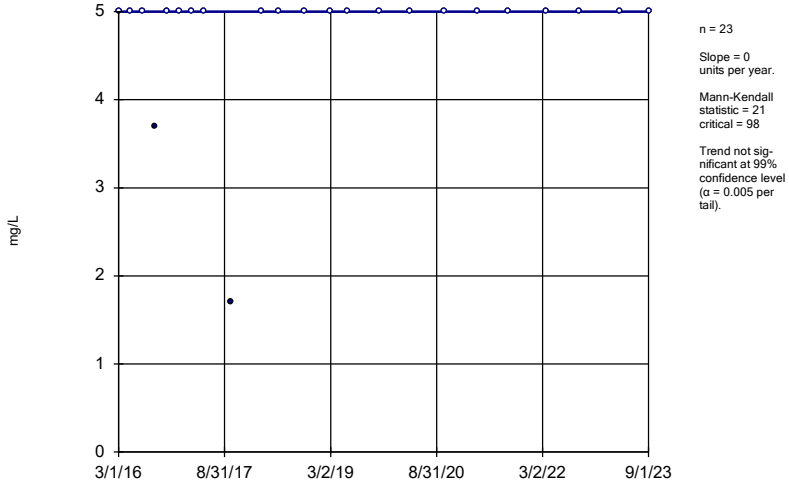
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 21 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

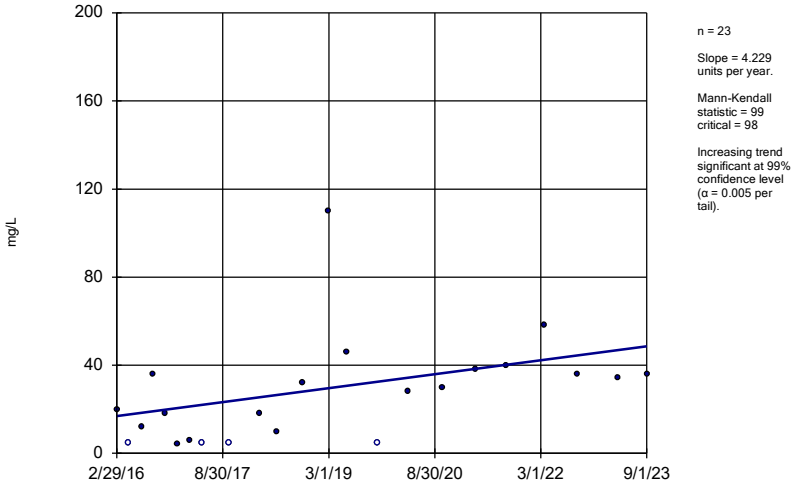
Constituent: Sulfate Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 4.229 units per year.

Mann-Kendall statistic = 99
critical = 98

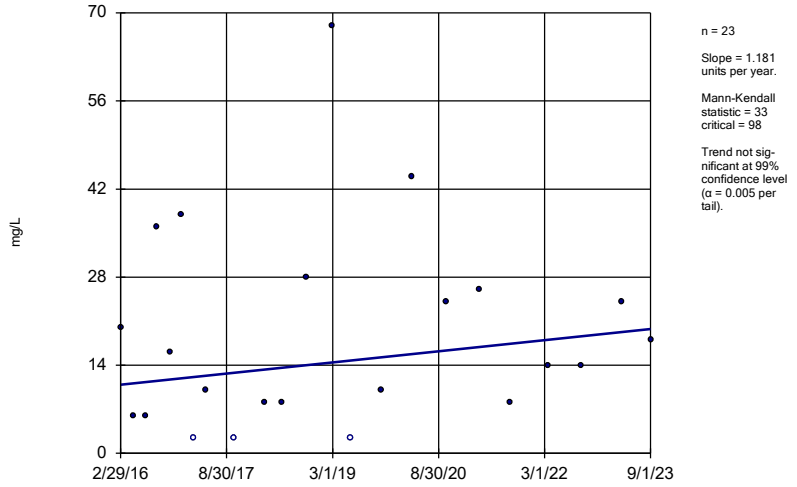
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 1.181 units per year.

Mann-Kendall statistic = 33
critical = 98

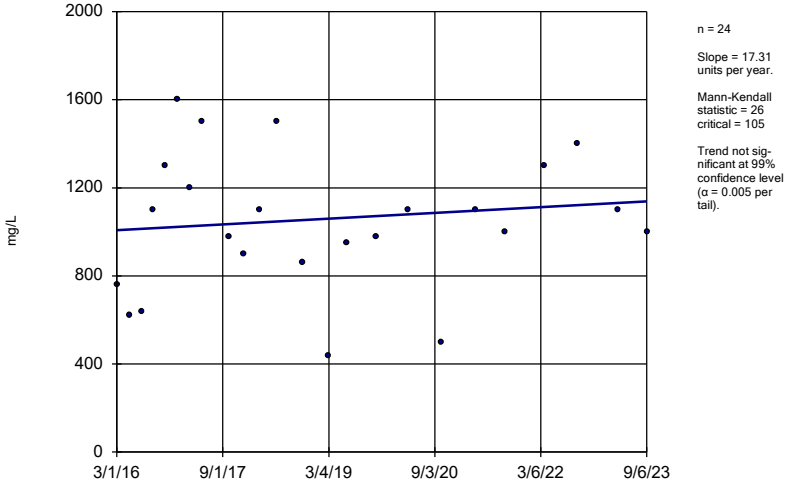
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-104



n = 24

Slope = 17.31 units per year.

Mann-Kendall statistic = 26
critical = 105

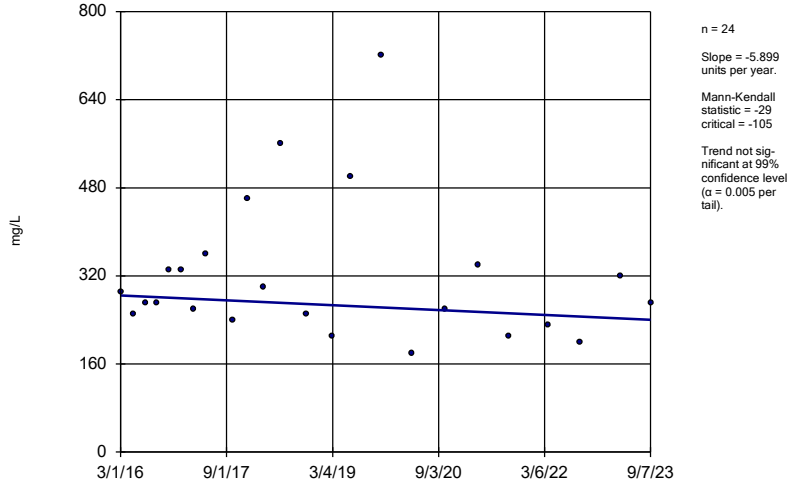
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-105



n = 24

Slope = -5.899 units per year.

Mann-Kendall statistic = -29
critical = -105

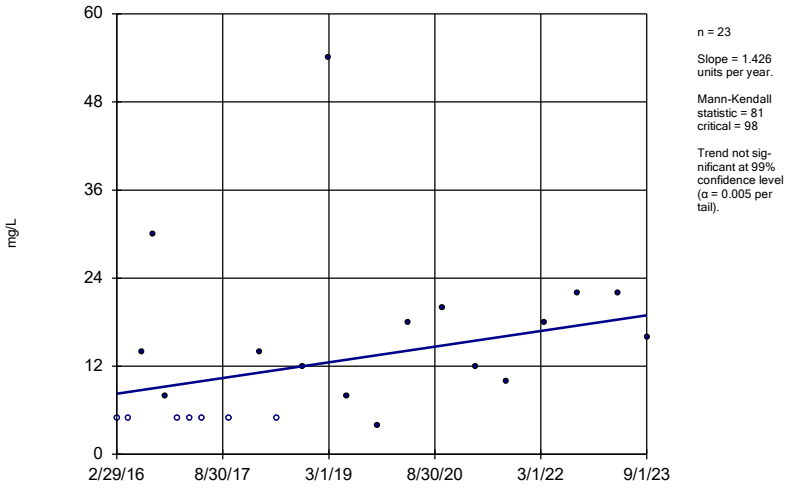
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 1.426 units per year.

Mann-Kendall statistic = 81
critical = 98

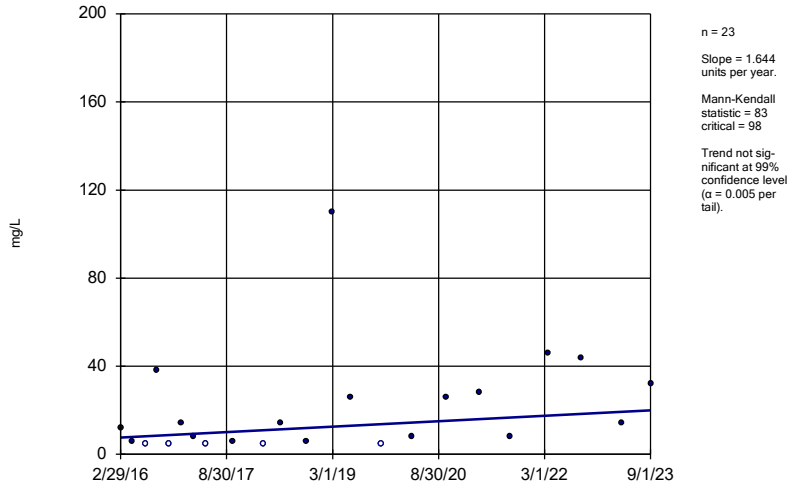
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 1.644 units per year.

Mann-Kendall statistic = 83
critical = 98

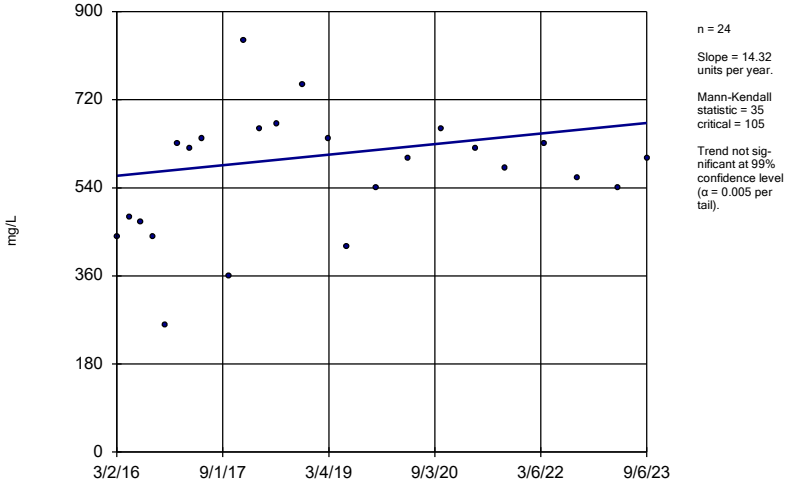
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-110



n = 24

Slope = 14.32 units per year.

Mann-Kendall statistic = 35
critical = 105

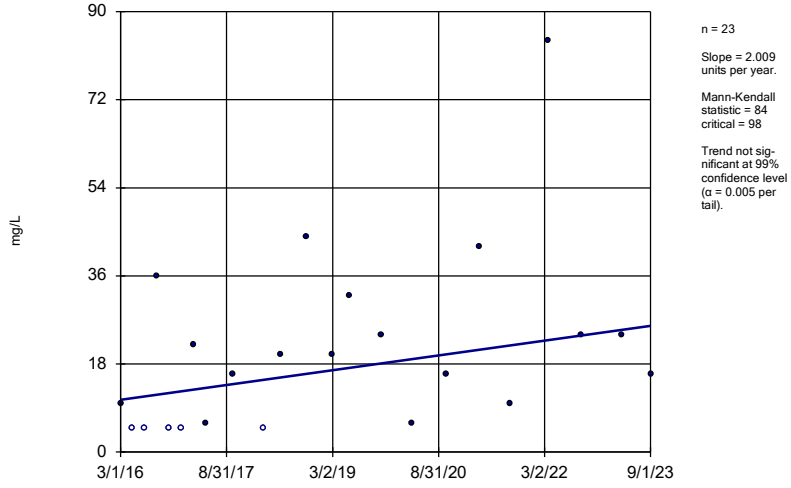
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 2.009 units per year.

Mann-Kendall statistic = 84
critical = 98

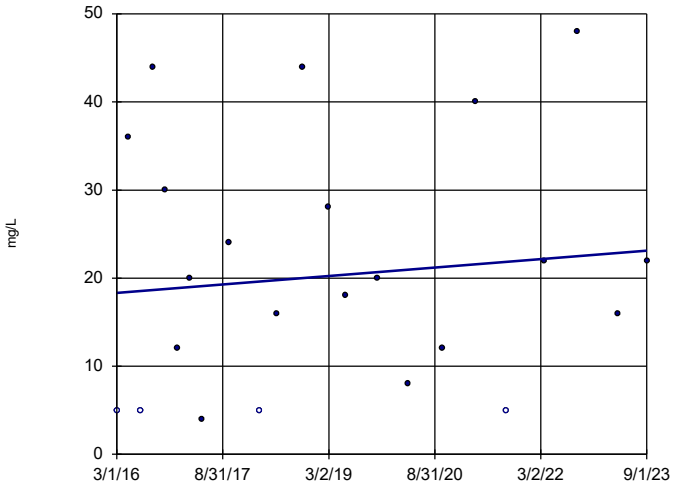
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0.6409 units per year.

Mann-Kendall statistic = 20
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 8:11 PM View: 100 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

200 Series

Appendix III - 200 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-4.855**	**-217**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.117**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-12.45**	**-244**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-123.7**	**-222**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-80.94**	**-164**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-358.8**	**-263**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-206.6**	**-194**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-137.9**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-722.5**	**-239**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-43.29**	**-162**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-55.15**	**-191**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-92.81**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-453.2**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1779**	**-214**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 200 Series - Trend Tests - All Results

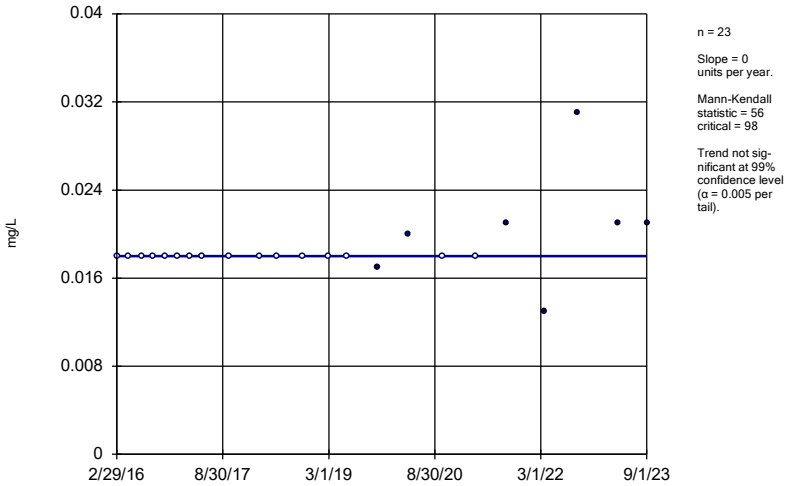
Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/30/2023, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	56	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-79	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	18	98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	48	98	No	23	60.87	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-4.855**	**-217**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-3.117**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-12.45**	**-244**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-84	-98	No	23	73.91	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-83	-98	No	23	73.91	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-100 (bg)**	**0.03093**	**104**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-101 (bg)	-0.004517	-33	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.01923	-85	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-108 (bg)**	**0.1083**	**149**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-123.7**	**-222**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-80.94**	**-164**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-358.8**	**-263**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	0.002862	14	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05098**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.154	88	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	-0.02879	-11	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.2133**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2839**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-206.6**	**-194**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-137.9**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-722.5**	**-239**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.08492	39	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1452**	**109**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.01832	-49	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01762	-43	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.007849	-13	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01553	-40	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1041**	**-133**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-25	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-98	No	23	91.3	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	98	No	23	95.65	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-206	0.007116	85	105	No	24	16.67	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	9	98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	-7	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-18	-98	No	23	86.96	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	-7	-98	No	23	91.3	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4476**	**153**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-43.29**	**-162**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-55.15**	**-191**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-92.81**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	6	98	No	23	95.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	21	98	No	23	91.3	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-100 (bg)**	**4.229**	**99**	**98**	**Yes**	**23**	**17.39**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	33	98	No	23	13.04	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.426	81	98	No	23	30.43	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.644	83	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-201**	**-453.2**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-1779**	**-214**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.009	84	98	No	23	21.74	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0.6409	20	98	No	23	17.39	n/a	n/a	0.01	NP

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 56
critical = 98

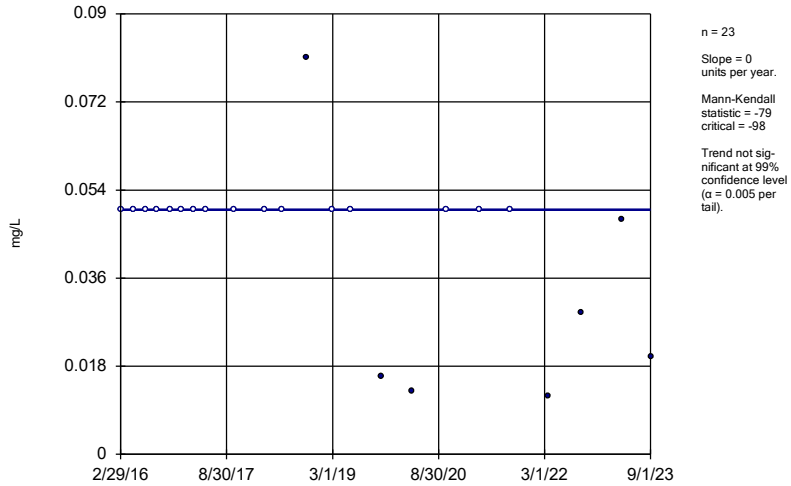
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -79
critical = -98

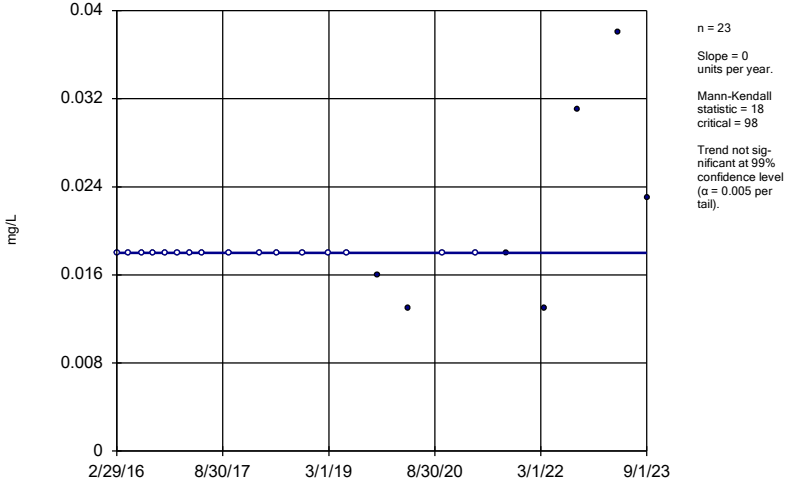
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 98

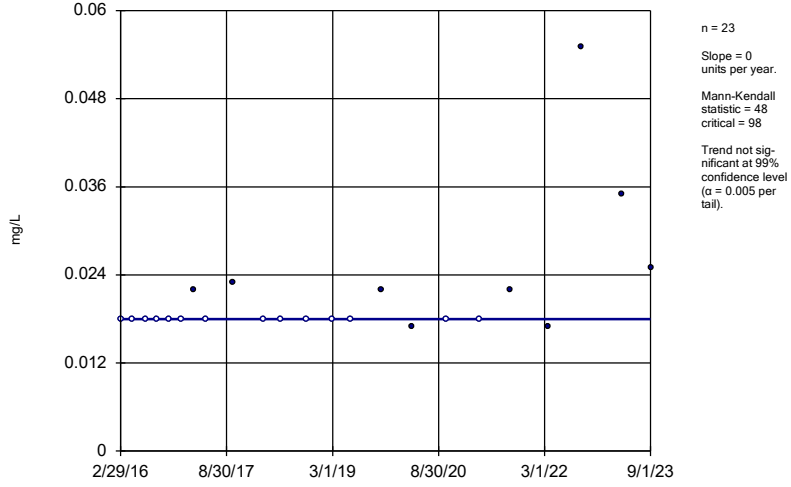
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 48
critical = 98

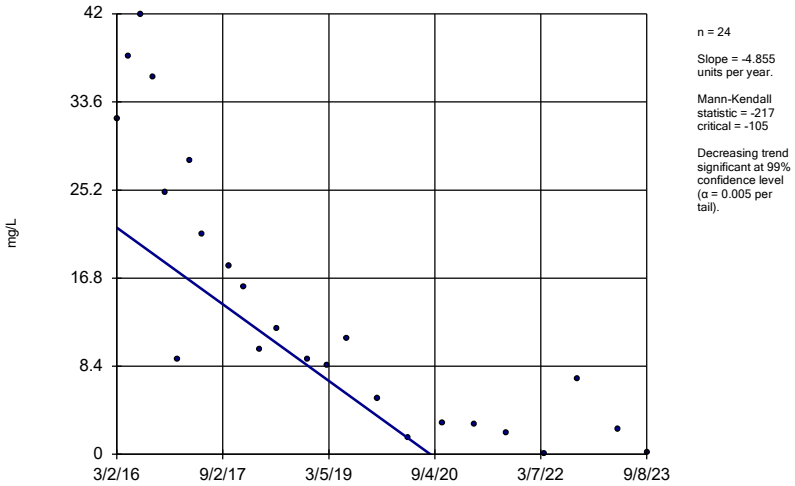
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-200



n = 24

Slope = -4.855 units per year.

Mann-Kendall statistic = -217 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

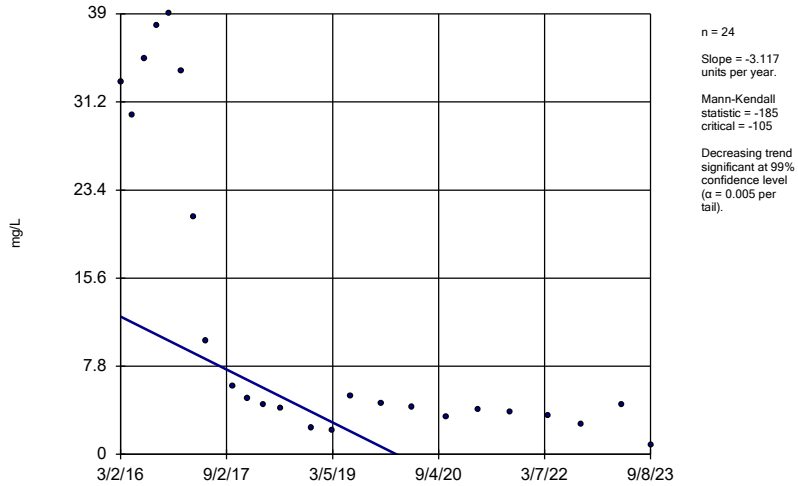
Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-201



n = 24

Slope = -3.117 units per year.

Mann-Kendall statistic = -185 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

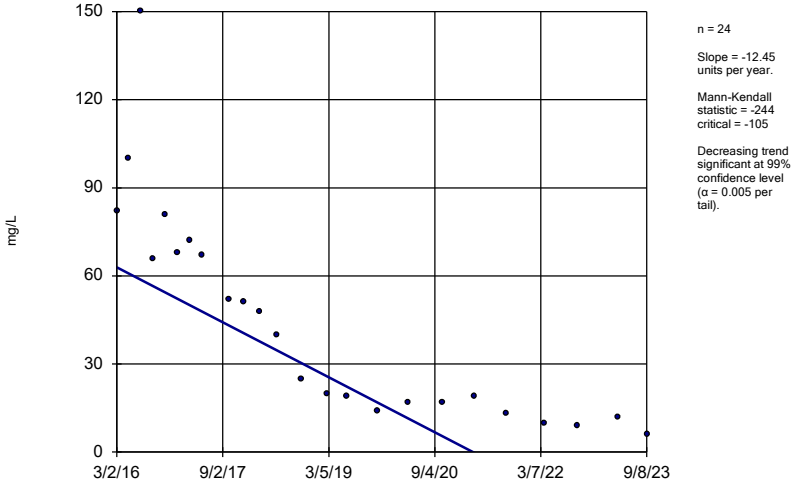
Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-206



n = 24

Slope = -12.45 units per year.

Mann-Kendall statistic = -244 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

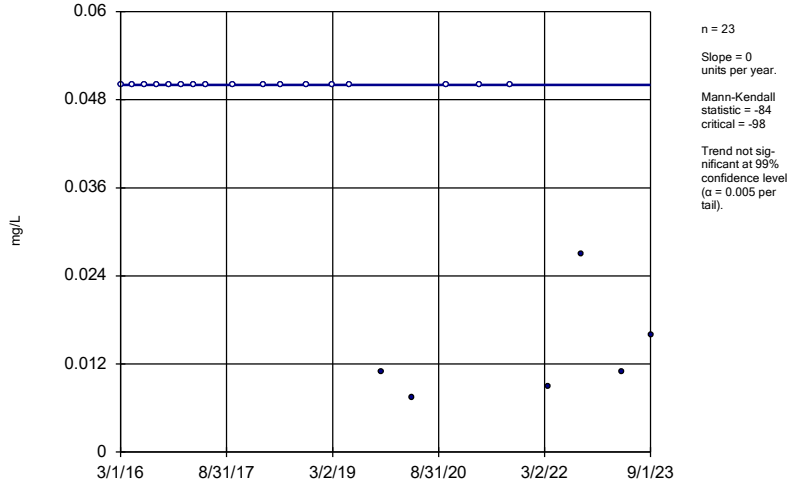
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -84 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

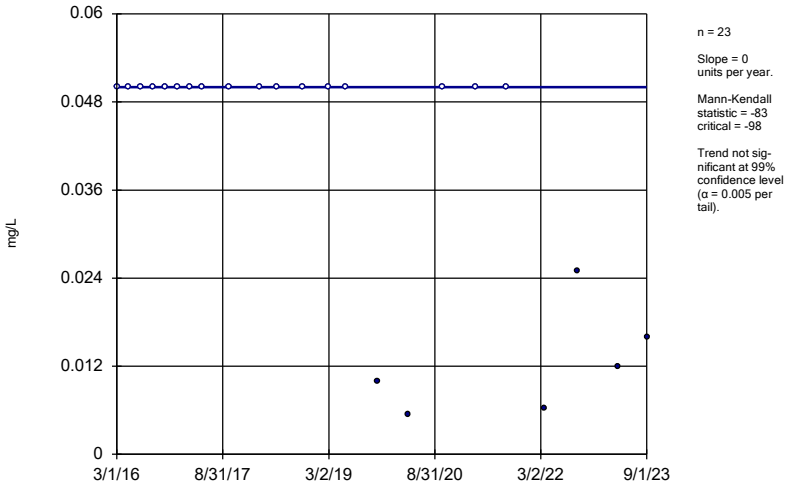
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -83
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

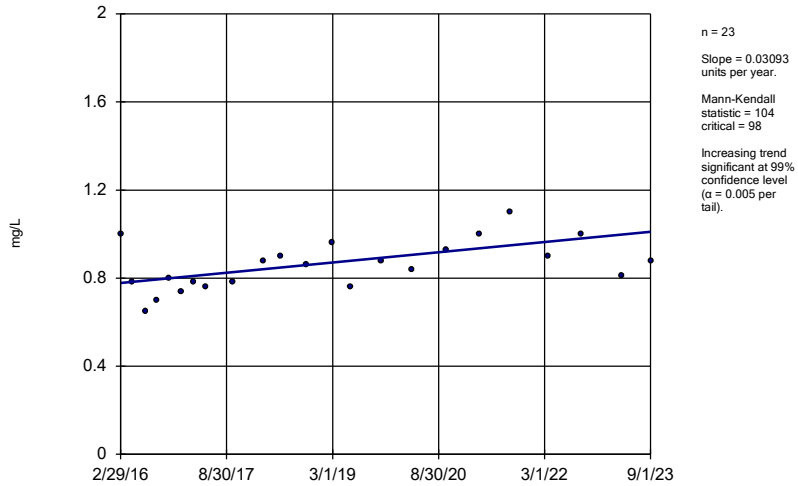
Constituent: Boron Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0.03093 units per year.

Mann-Kendall statistic = 104
critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

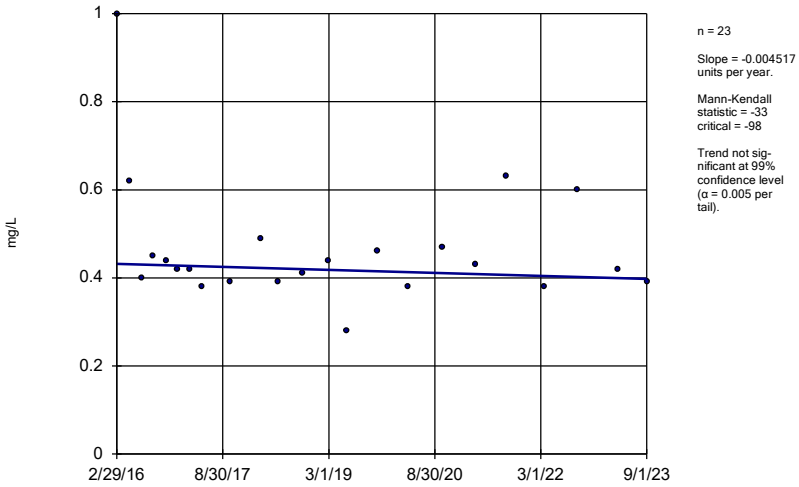
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.004517 units per year.

Mann-Kendall statistic = -33
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

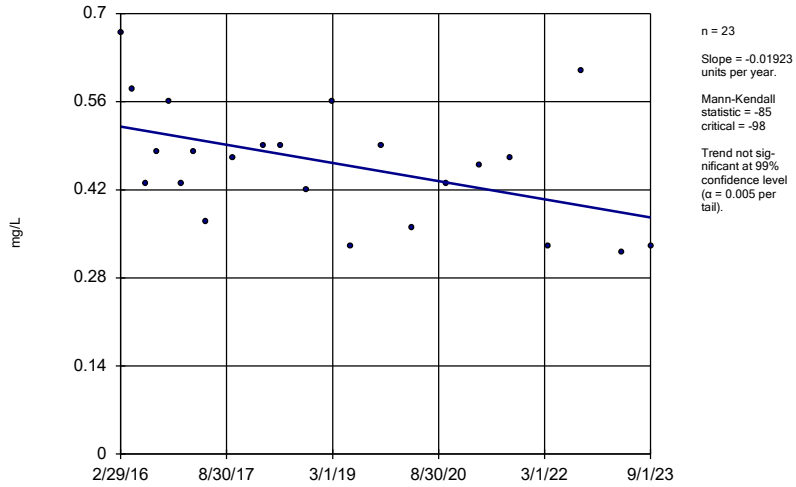
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.01923 units per year.

Mann-Kendall statistic = -85
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

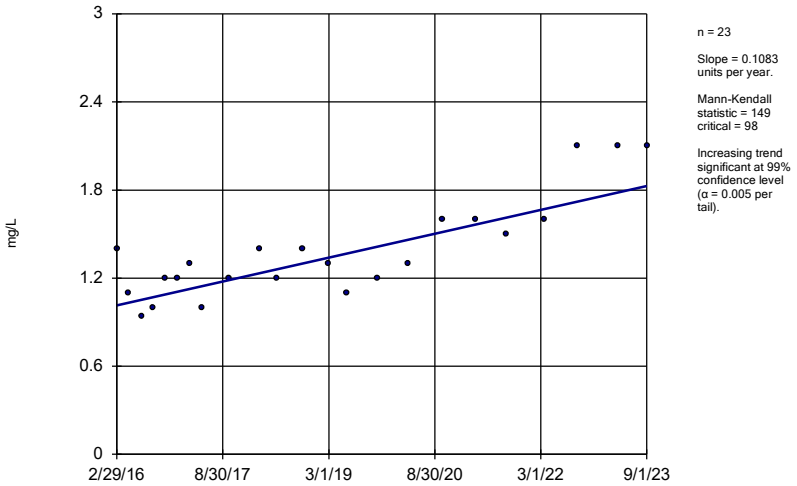
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0.1083 units per year.

Mann-Kendall statistic = 149 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

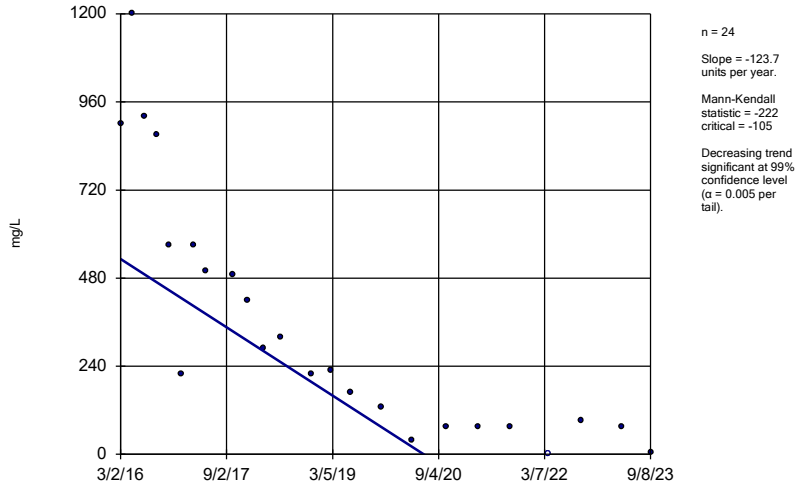
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 24

Slope = -123.7 units per year.

Mann-Kendall statistic = -222 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

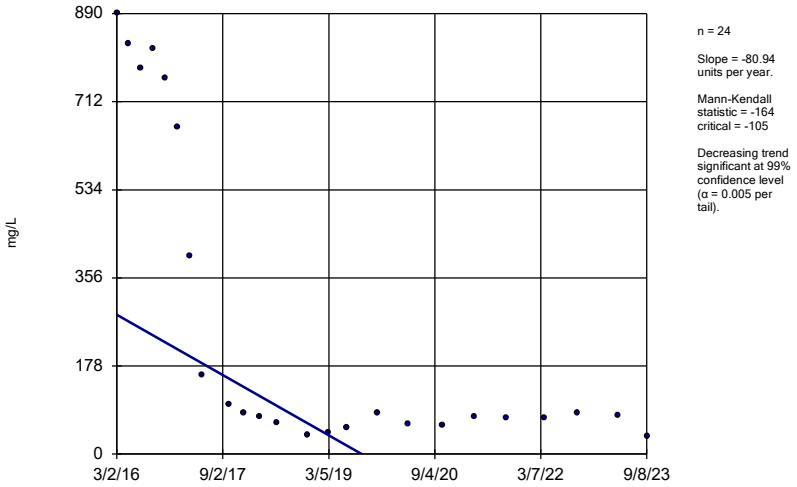
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-201



n = 24

Slope = -80.94 units per year.

Mann-Kendall statistic = -164 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

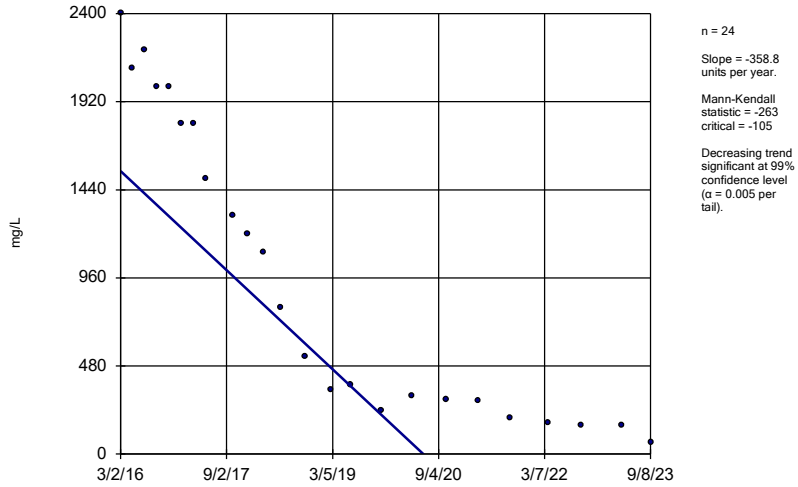
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-206



n = 24

Slope = -358.8 units per year.

Mann-Kendall statistic = -263 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

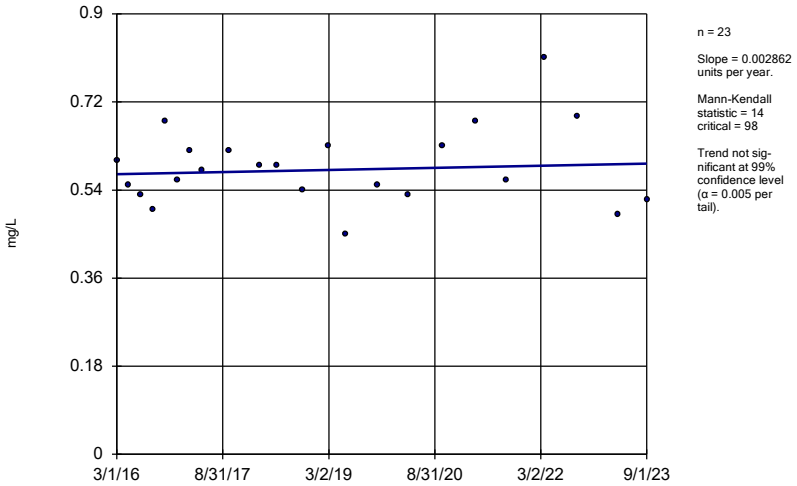
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0.002862 units per year.

Mann-Kendall statistic = 14 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

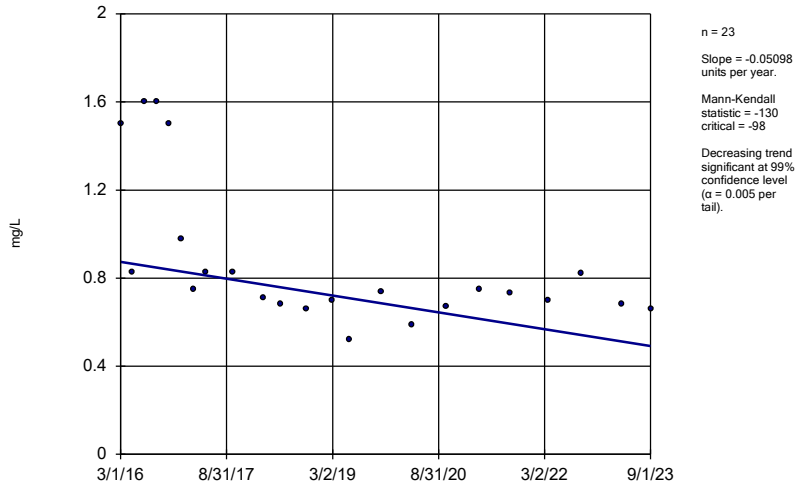
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = -0.05098 units per year.

Mann-Kendall statistic = -130 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

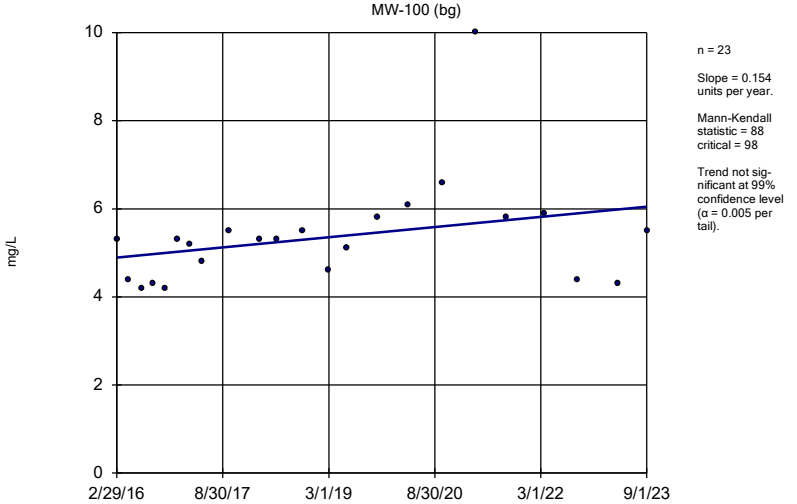
Constituent: Calcium Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0.154 units per year.

Mann-Kendall statistic = 88 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

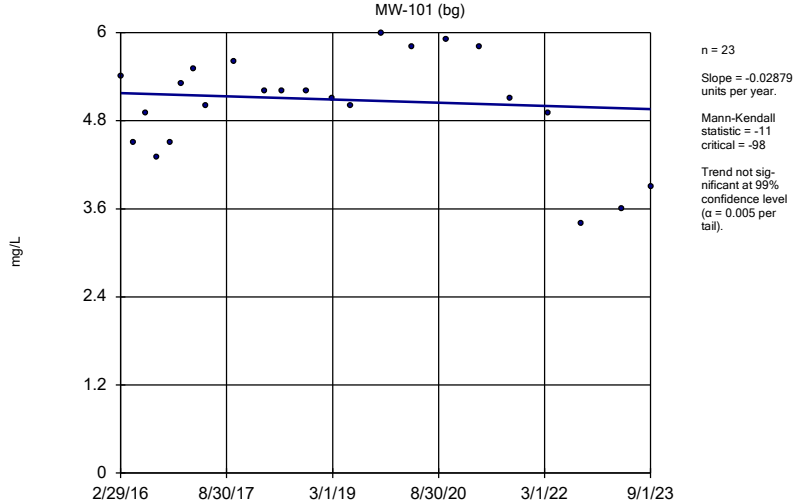
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.02879 units per year.

Mann-Kendall statistic = -11 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

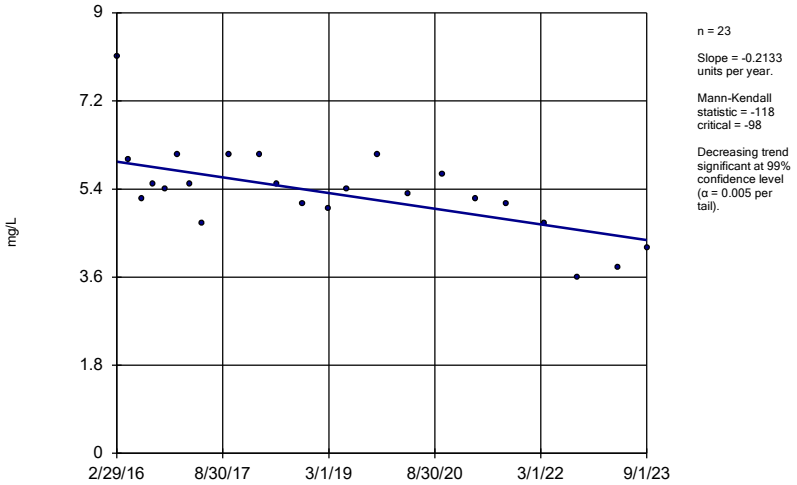
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.2133 units per year.

Mann-Kendall statistic = -118
critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

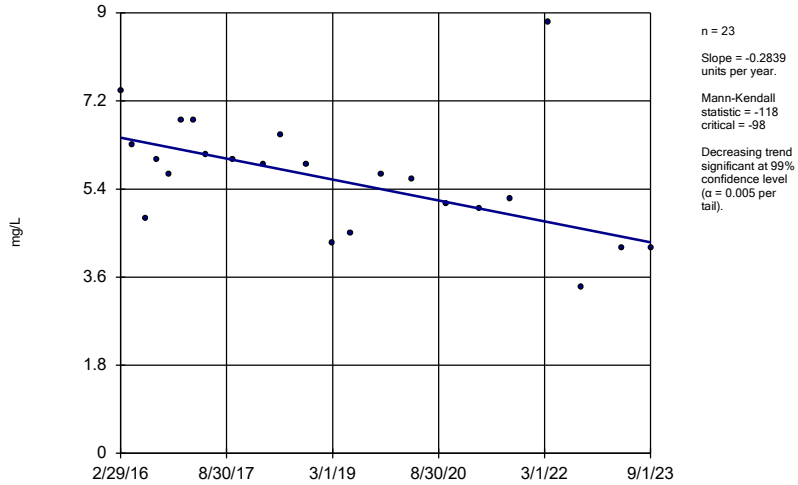
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = -0.2839 units per year.

Mann-Kendall statistic = -118
critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

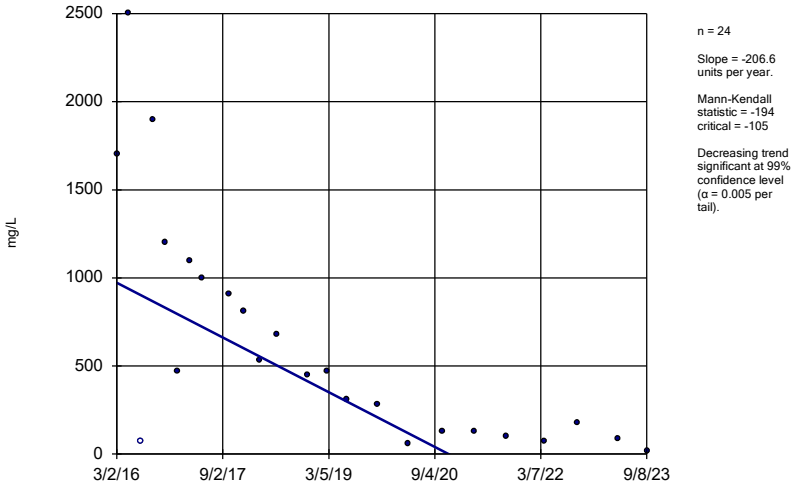
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 24

Slope = -206.6 units per year.

Mann-Kendall statistic = -194
critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

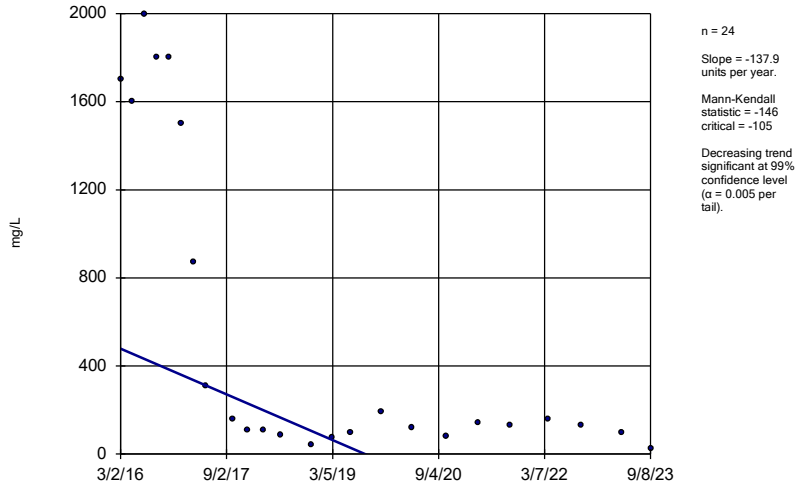
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-201



n = 24

Slope = -137.9 units per year.

Mann-Kendall statistic = -146
critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

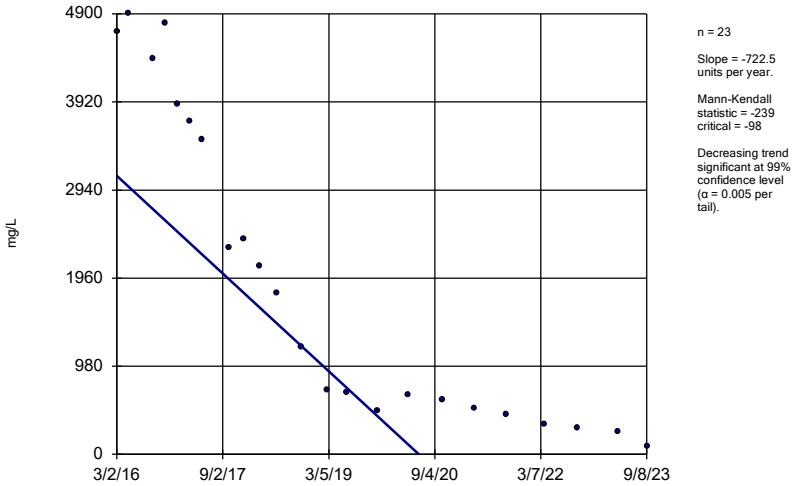
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-206



n = 23

Slope = -722.5 units per year.

Mann-Kendall statistic = -239 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

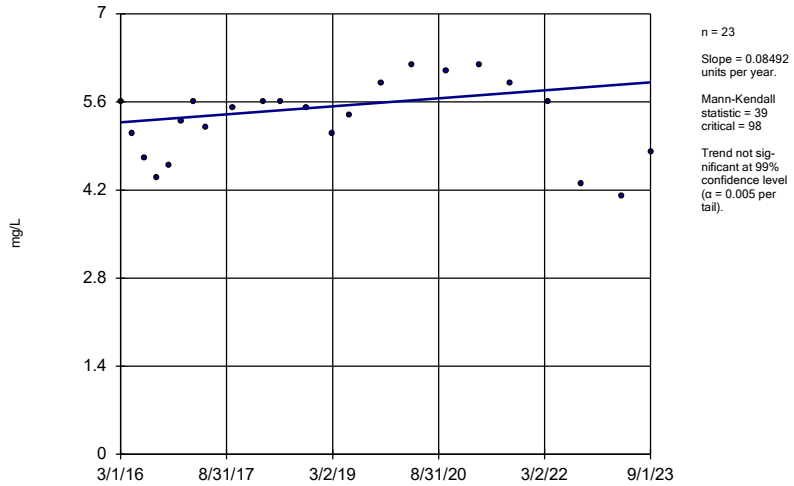
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0.08492 units per year.

Mann-Kendall statistic = 39 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

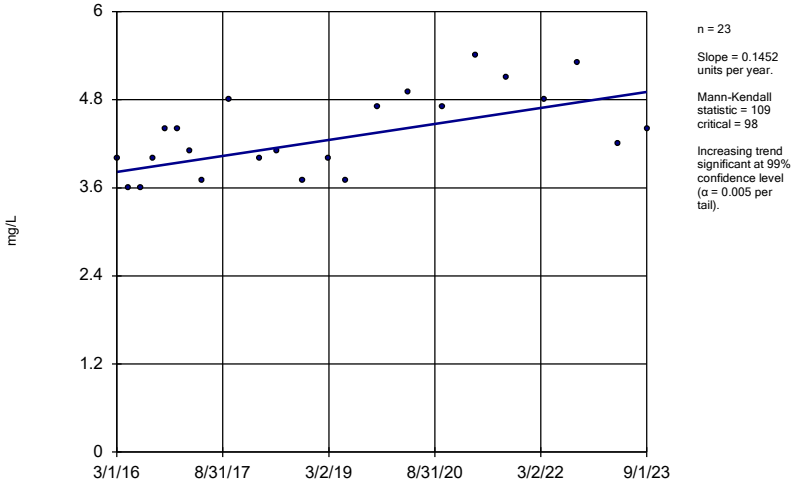
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0.1452 units per year.

Mann-Kendall statistic = 109 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

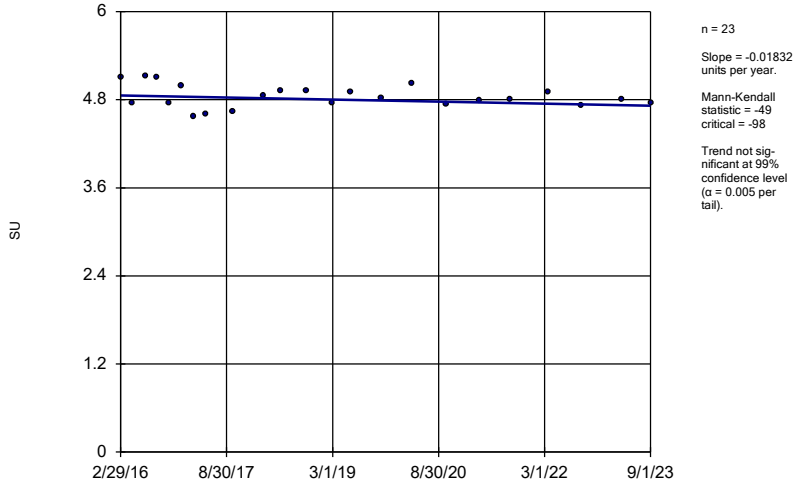
Constituent: Chloride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = -0.01832 units per year.

Mann-Kendall statistic = -49 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

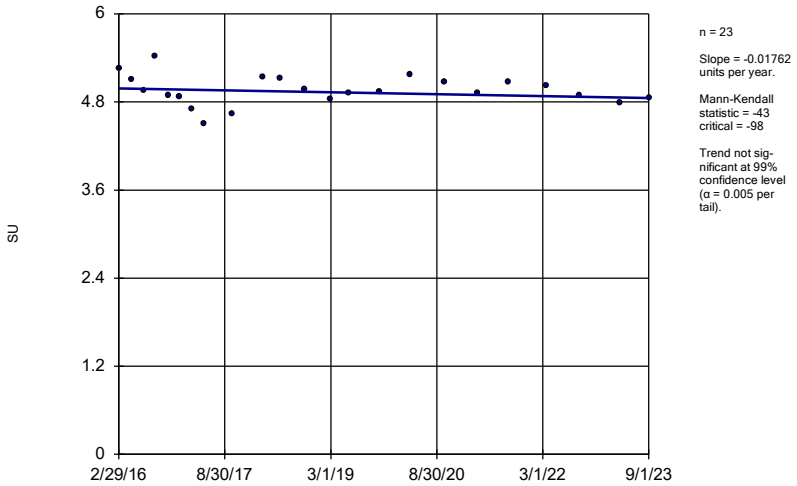
Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = -0.01762 units per year.

Mann-Kendall statistic = -43
critical = -98

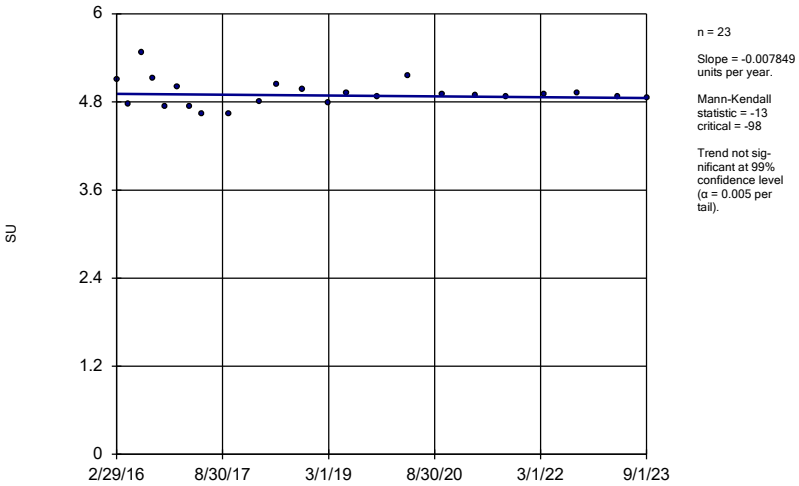
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = -0.007849 units per year.

Mann-Kendall statistic = -13
critical = -98

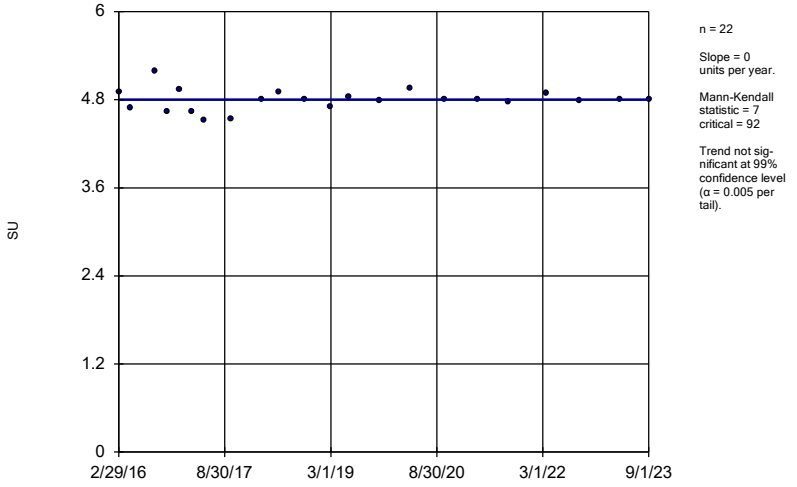
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 92

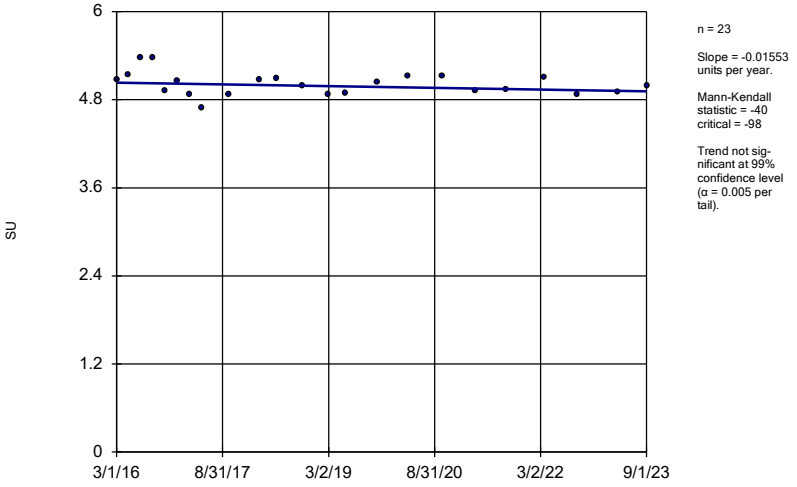
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = -0.01553 units per year.

Mann-Kendall statistic = -40
critical = -98

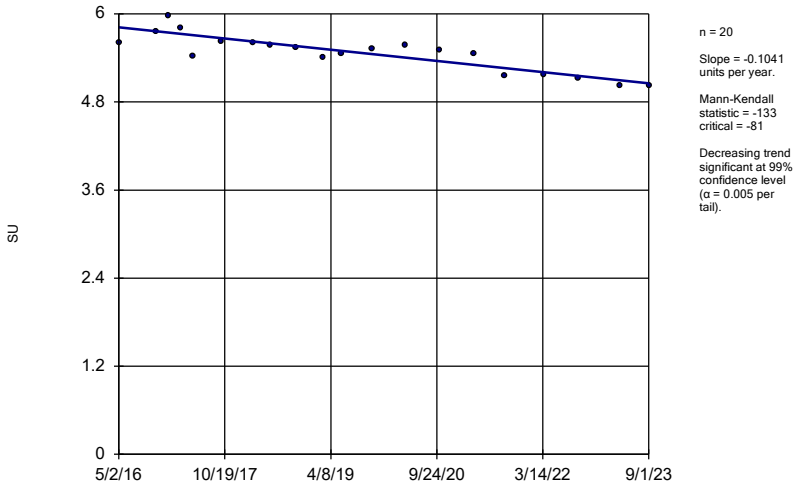
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 20

Slope = -0.1041 units per year.

Mann-Kendall statistic = -133 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

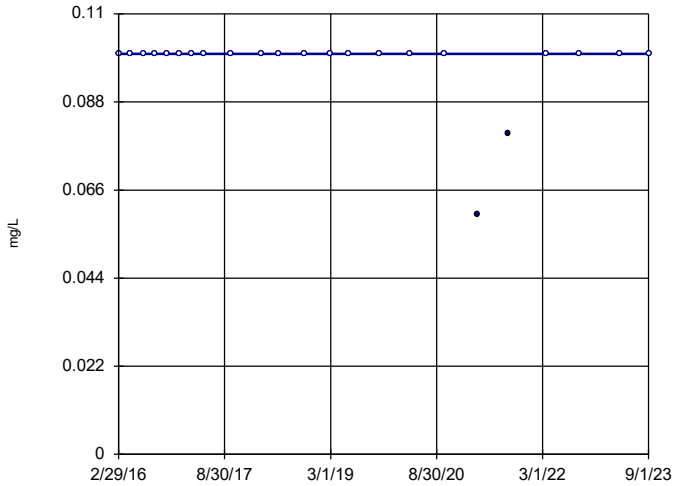
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -25 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

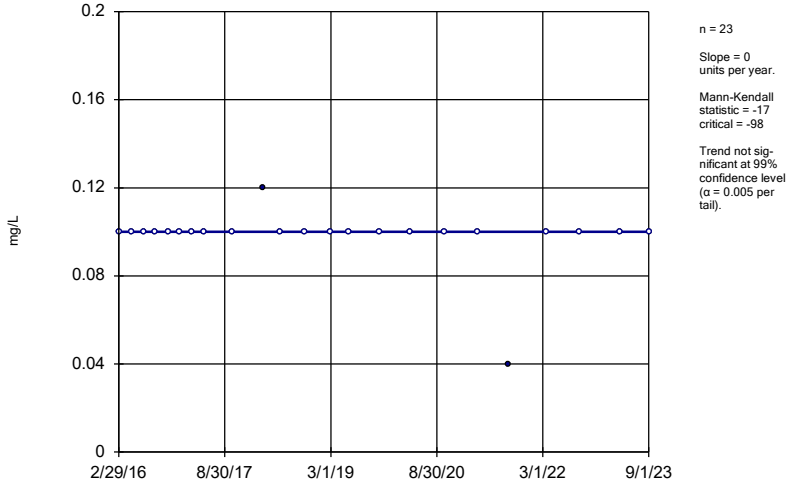
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

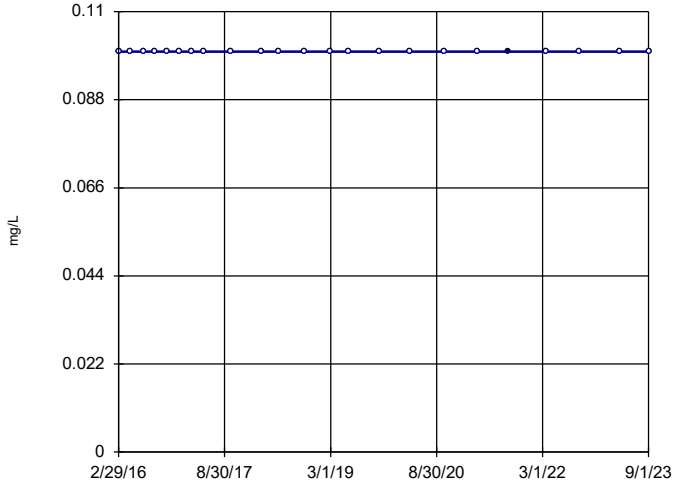
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

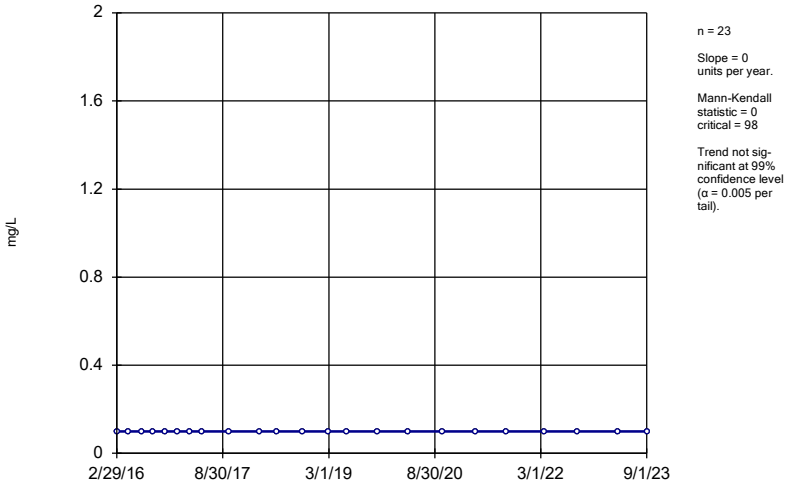
Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 98

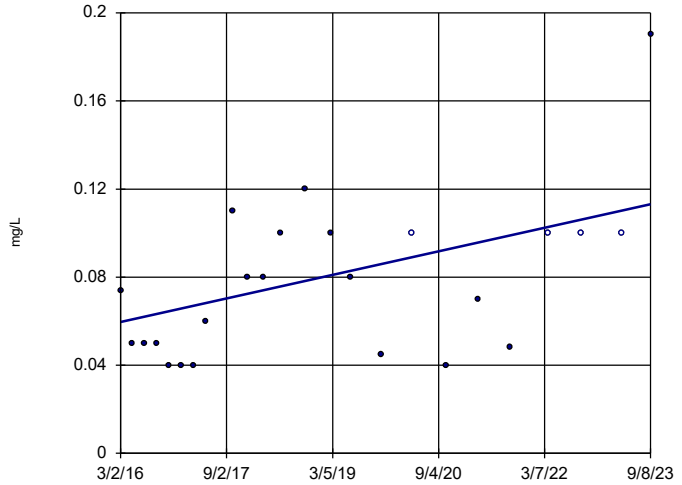
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-206



n = 24

Slope = 0.007116 units per year.

Mann-Kendall statistic = 85 critical = 105

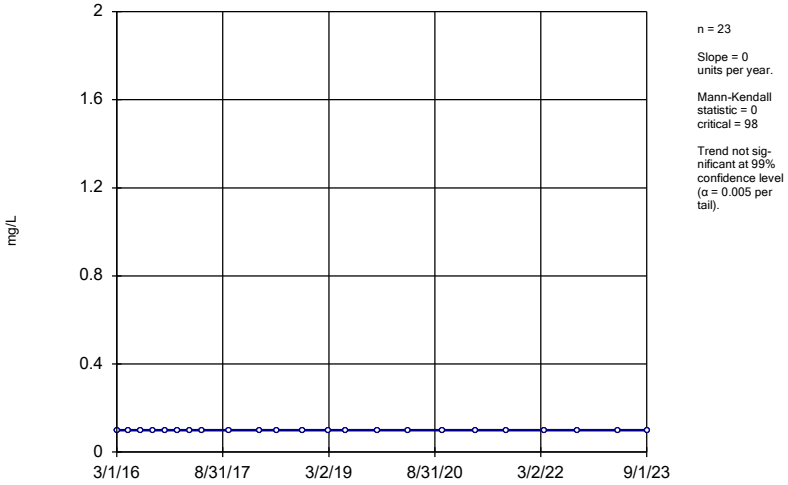
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 98

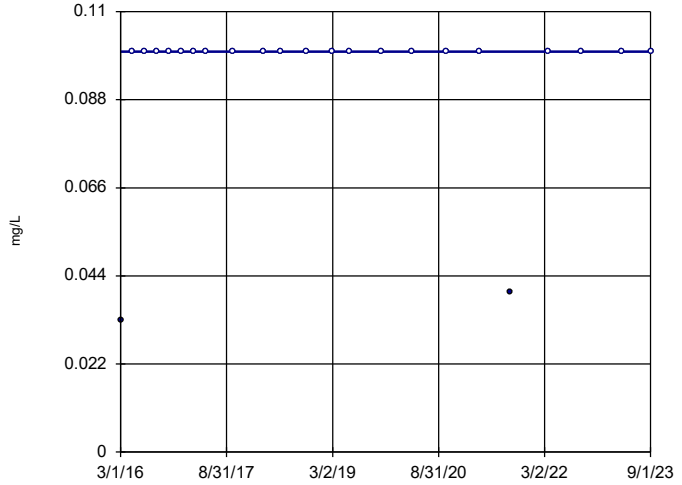
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 9 critical = 98

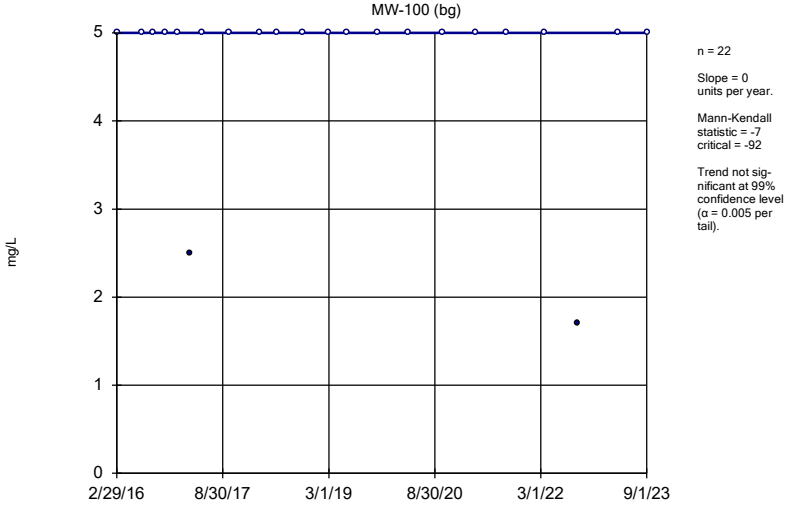
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -92

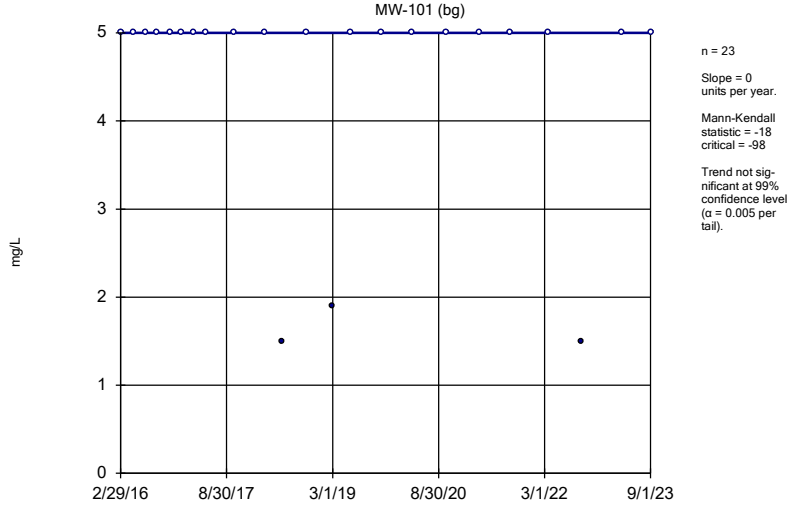
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -18
critical = -98

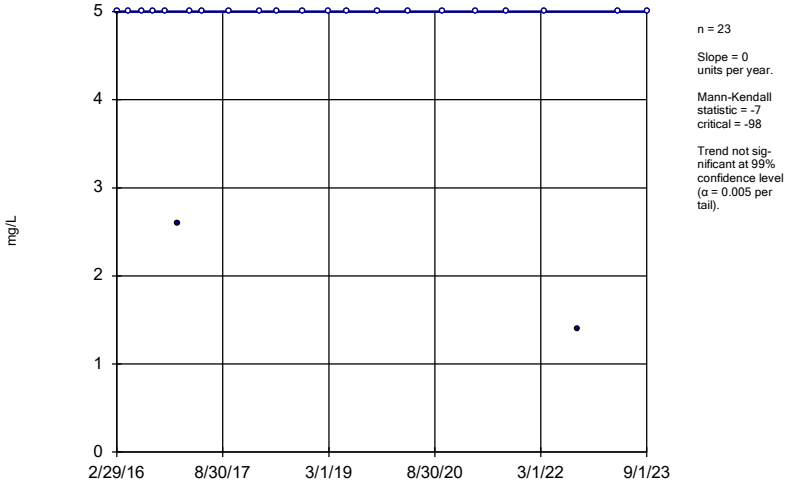
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -98

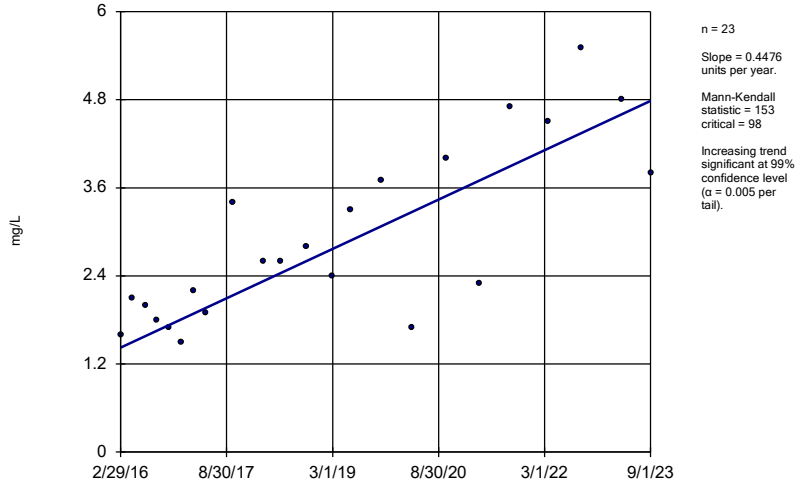
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 0.4476 units per year.

Mann-Kendall statistic = 153
critical = 98

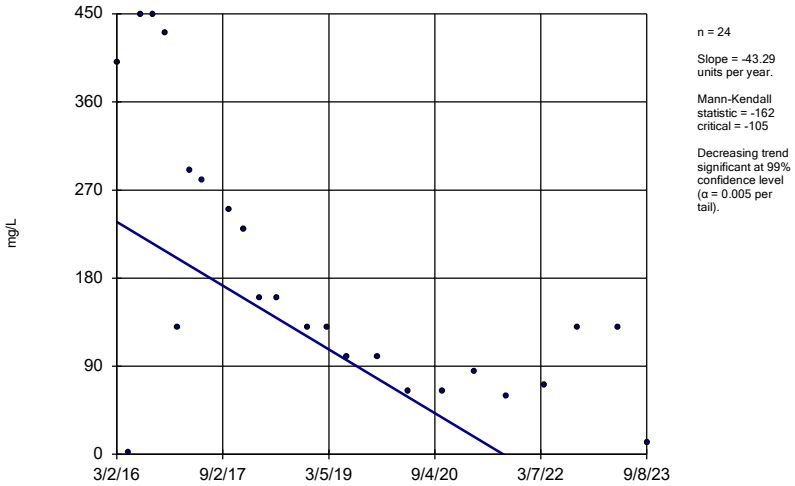
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-200



n = 24

Slope = -43.29 units per year.

Mann-Kendall statistic = -162 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

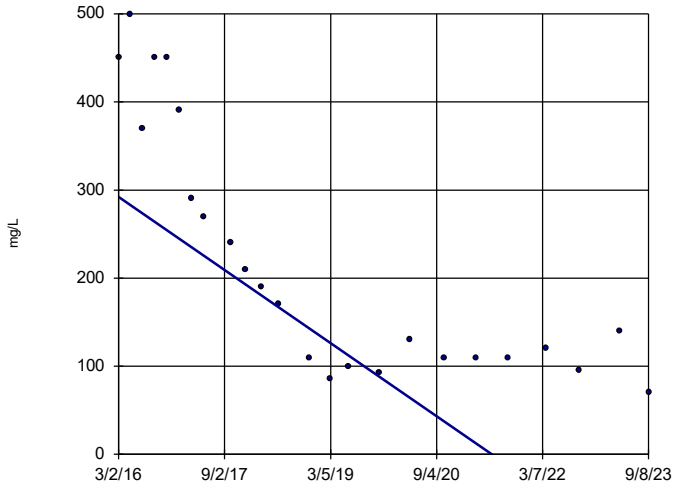
Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-201



n = 24

Slope = -55.15 units per year.

Mann-Kendall statistic = -191 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

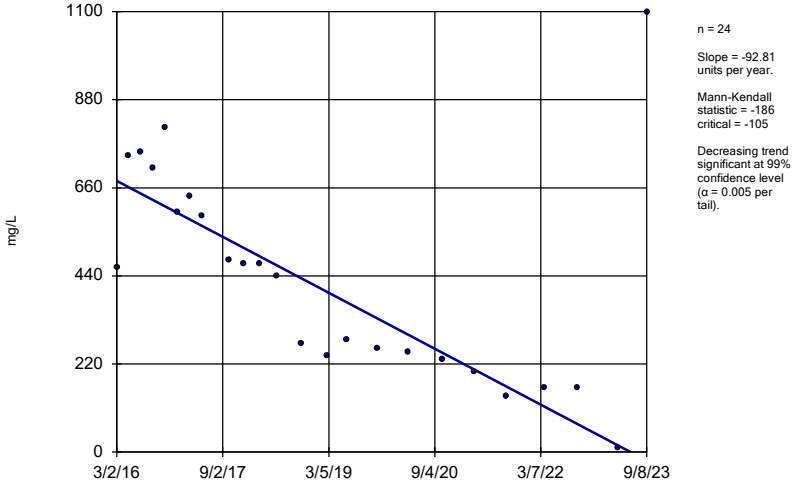
Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-206



n = 24

Slope = -92.81 units per year.

Mann-Kendall statistic = -186 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

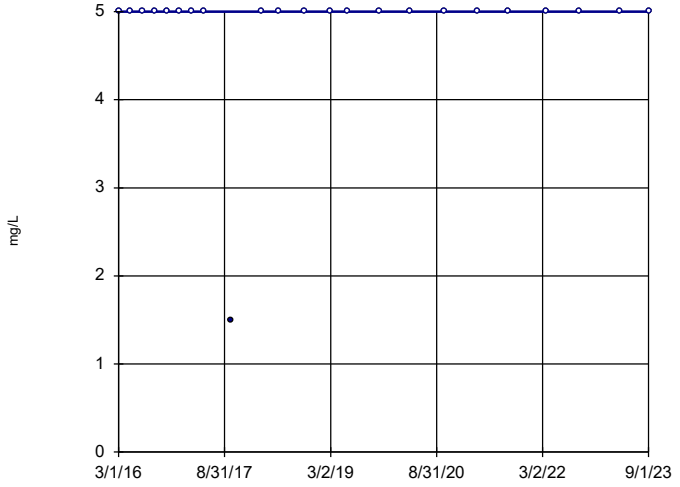
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

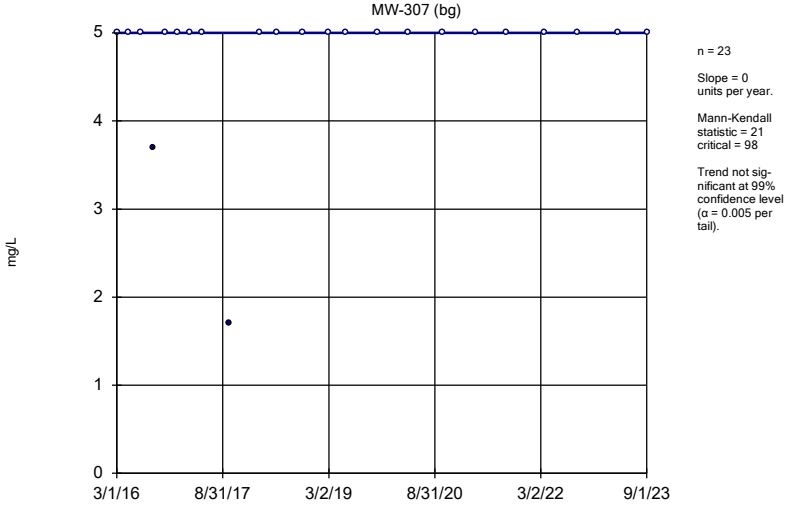
Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 21 critical = 98

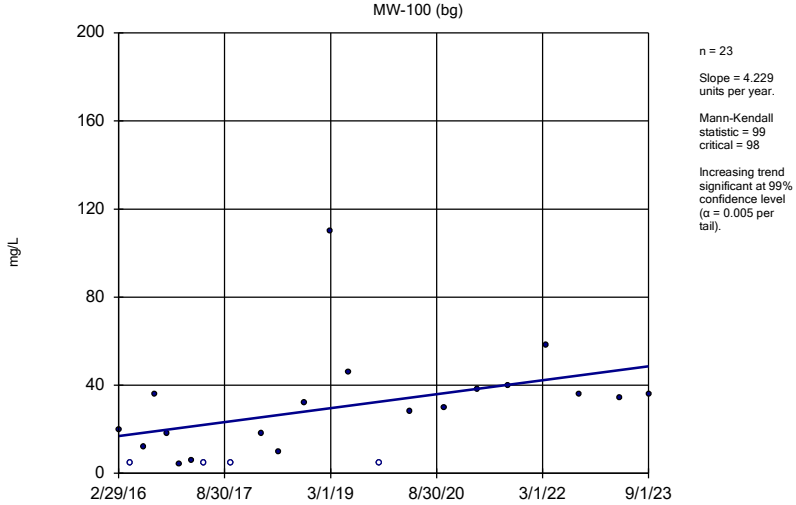
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 23

Slope = 4.229 units per year.

Mann-Kendall statistic = 99 critical = 98

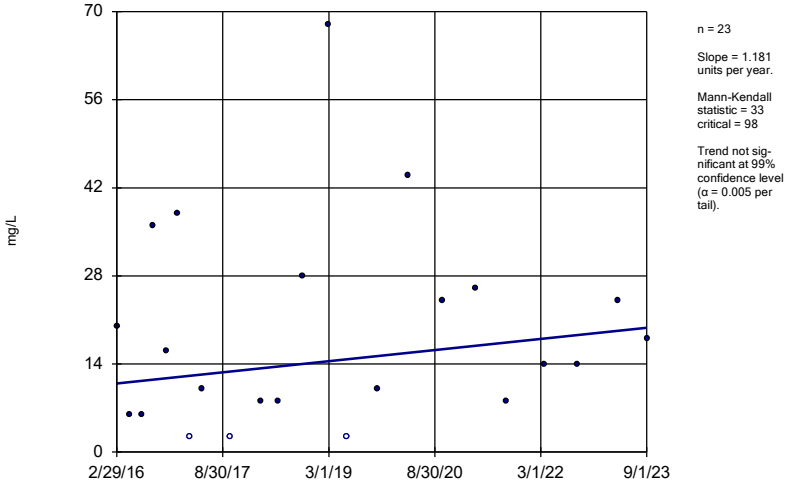
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 23

Slope = 1.181 units per year.

Mann-Kendall statistic = 33 critical = 98

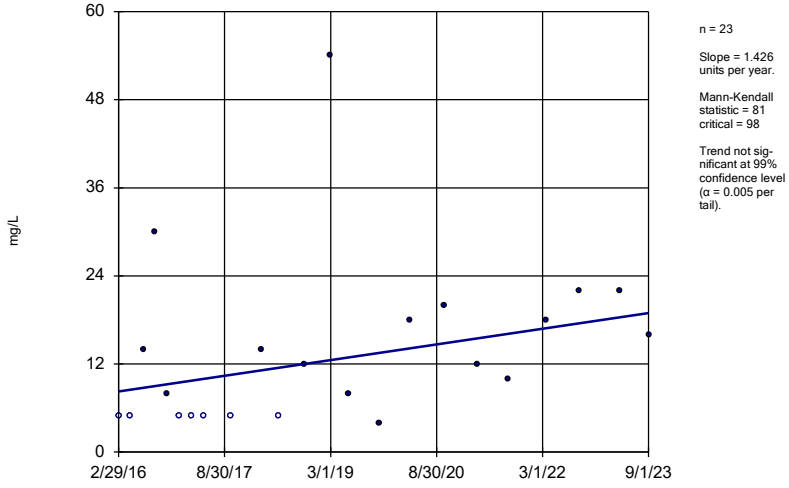
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 23

Slope = 1.426 units per year.

Mann-Kendall statistic = 81 critical = 98

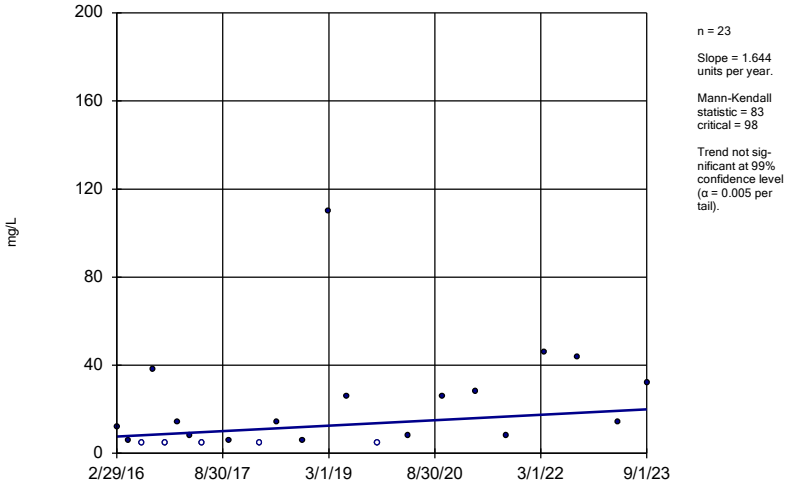
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 23

Slope = 1.644 units per year.

Mann-Kendall statistic = 83
critical = 98

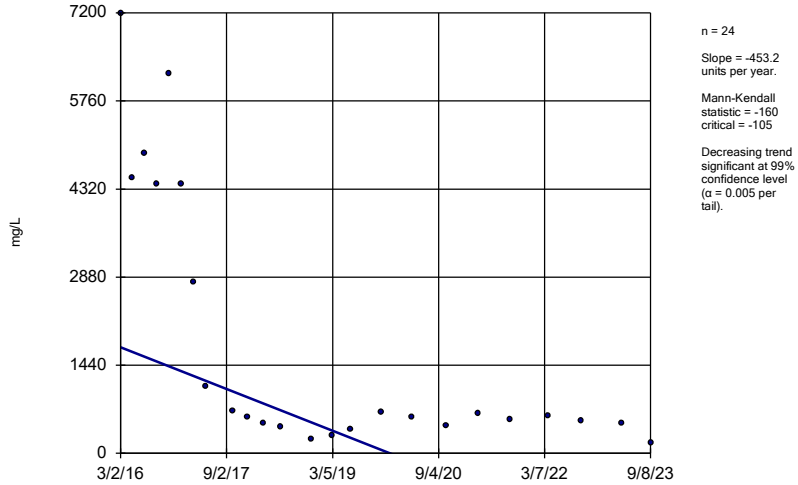
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-201



n = 24

Slope = -453.2 units per year.

Mann-Kendall statistic = -160
critical = -105

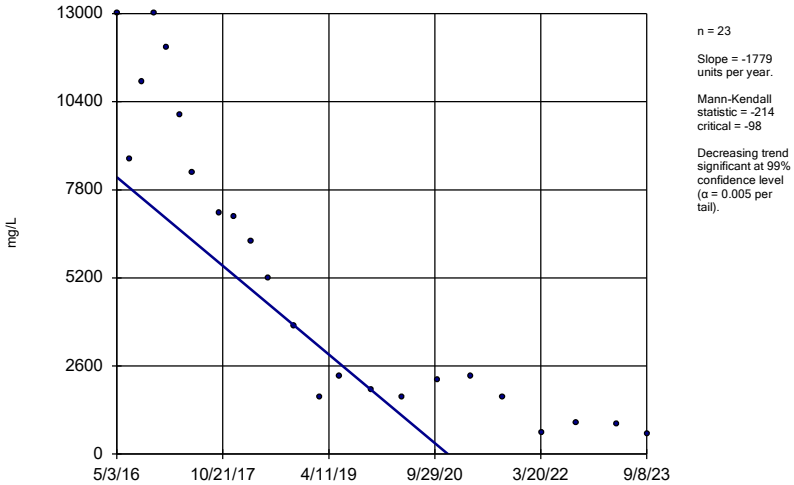
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-206



n = 23

Slope = -1779 units per year.

Mann-Kendall statistic = -214
critical = -98

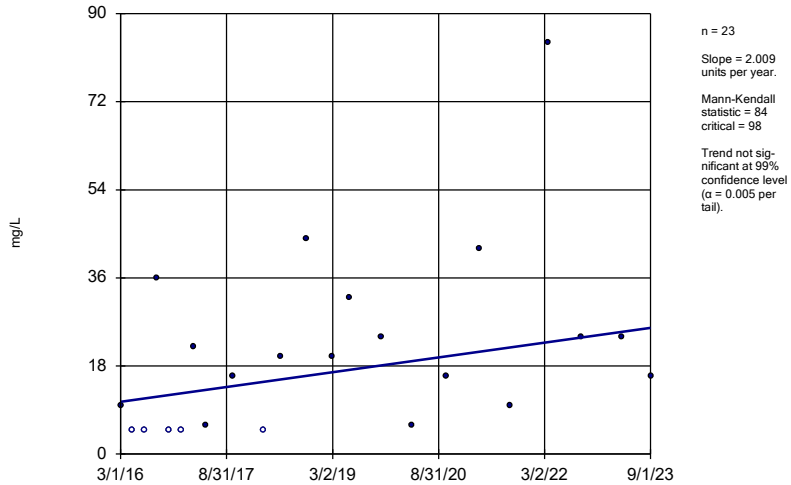
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 23

Slope = 2.009 units per year.

Mann-Kendall statistic = 84
critical = 98

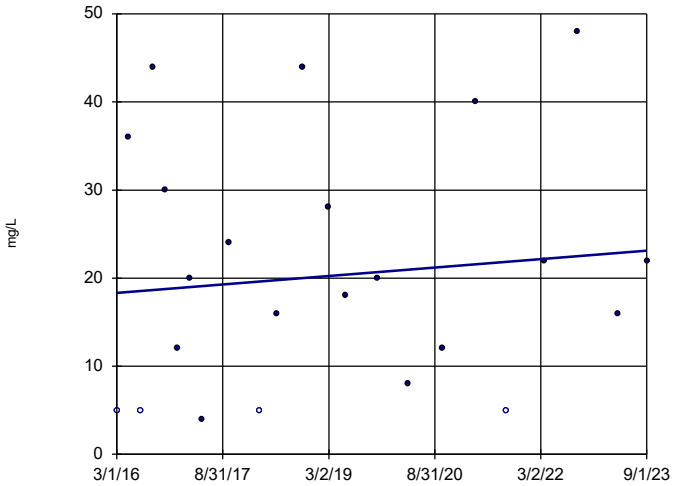
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:03 PM View: 200 Series - Trend Tests
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 23

Slope = 0.6409 units per year.

Mann-Kendall statistic = 20
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 3:04 PM View: 200 Series - Trend Tests

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

300 Series

Appendix III - 300 Series - Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-107 (bg)**	**-0.0233**	**-101**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1003**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.05448**	**-132**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.1995**	**101**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-107 (bg)**	**-0.1844**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2439**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-307 (bg)**	**0.1298**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-305**	**-0.05721**	**-101**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1014**	**-114**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.01716**	**145**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4217**	**135**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-19.05**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-305**	**7.552**	**110**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - 300 Series - Trend Tests - All Results

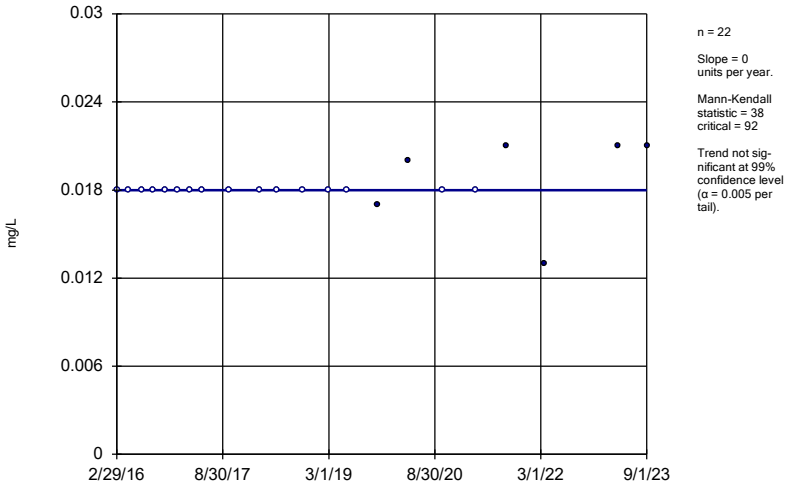
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 11/29/2023, 9:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	38	92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-65	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-2	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	30	92	No	22	63.64	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.06705	26	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2623	76	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-305	0	-6	-92	No	22	31.82	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-68	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-67	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.2587	-53	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.02884	90	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.005298	-45	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-107 (bg)**	**-0.0233**	**-101**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-108 (bg)**	**0.1003**	**129**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	2.872	54	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	2.526	26	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-305	0.04803	33	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-2	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.05448**	**-132**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-1.259	-33	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.1995**	**101**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0	7	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-107 (bg)**	**-0.1844**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-108 (bg)**	**-0.2439**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-300	-0.02276	-13	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	-1.867	-26	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-5.478	-39	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.09389	34	98	No	23	4.348	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.1181	59	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-307 (bg)**	**0.1298**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-308	-0.8824	-7	-98	No	23	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01813	-37	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01547	-32	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.01038	-16	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.003783	9	87	No	21	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-305**	**-0.05721**	**-101**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-306 (bg)	-0.01308	-26	-92	No	22	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1014**	**-114**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	-27	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	-17	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	92	No	22	95.45	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-303	0.01931	79	98	No	23	4.348	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-305	0	42	92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	7	92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.01716**	**145**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	10	87	No	21	95.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-1	-92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	11	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4217**	**135**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-303	0	-5	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	3.864	6	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-305	0	54	92	No	22	63.64	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	5	92	No	22	95.45	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	19	92	No	22	90.91	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-19.05**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	4.563	91	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.181	30	92	No	22	13.64	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	1.275	66	92	No	22	31.82	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	1.403	69	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	4.548	9	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	6.171	12	98	No	23	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-305**	**7.552**	**110**	**92**	**Yes**	**22**	**9.091**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.481	76	92	No	22	22.73	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	2	92	No	22	18.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-14.71	-64	-98	No	23	0	n/a	n/a	0.01	NP

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 38
critical = 92

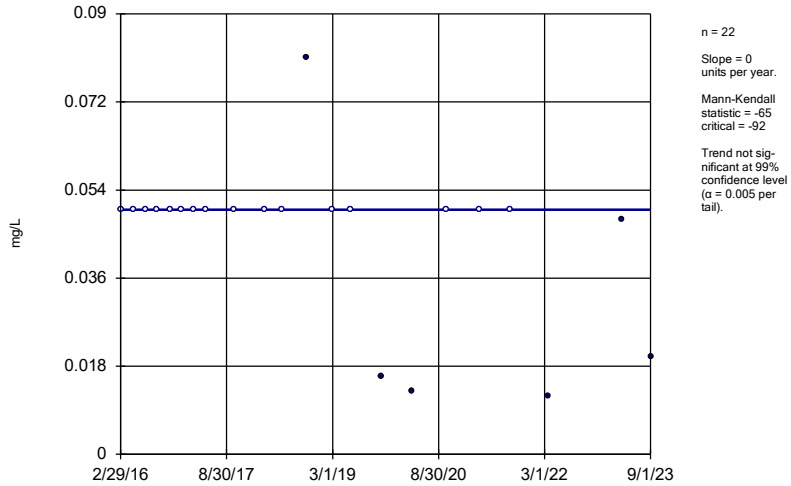
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -65
critical = -92

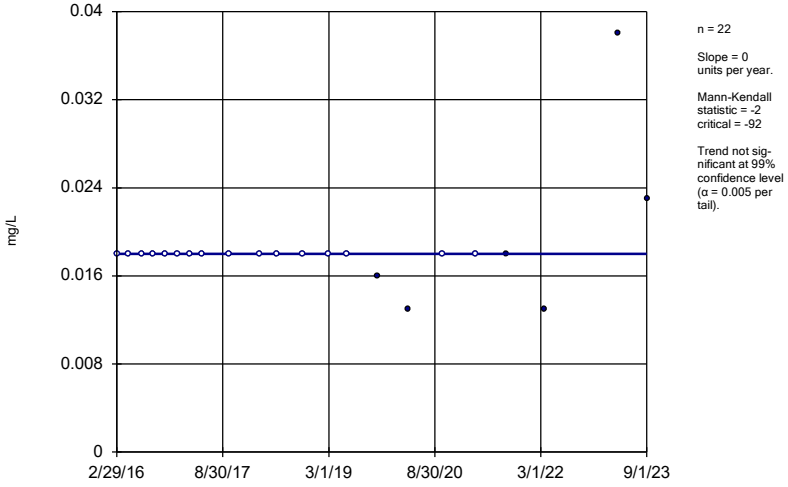
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -92

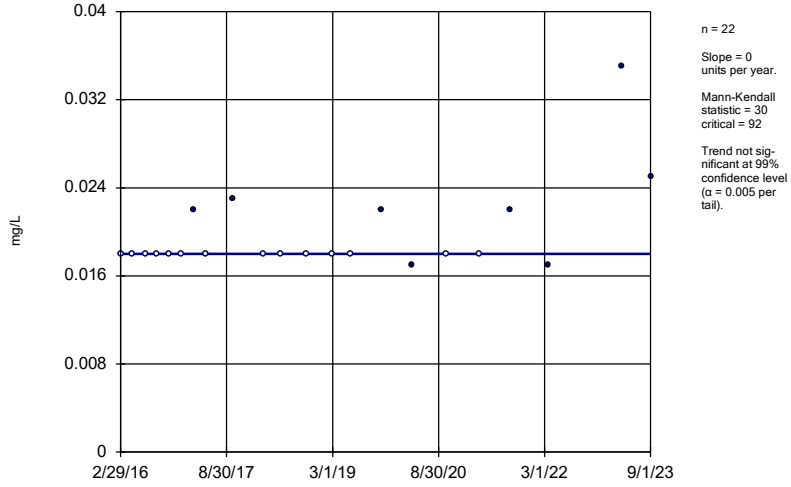
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 30
critical = 92

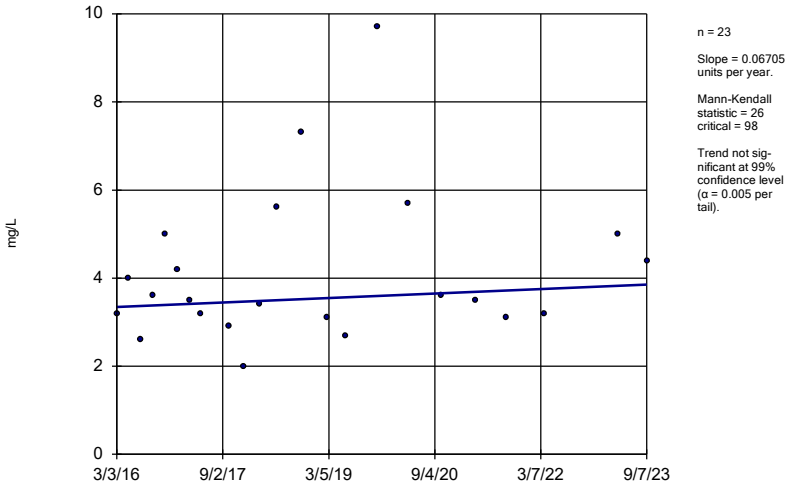
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 0.06705 units per year.

Mann-Kendall statistic = 26 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

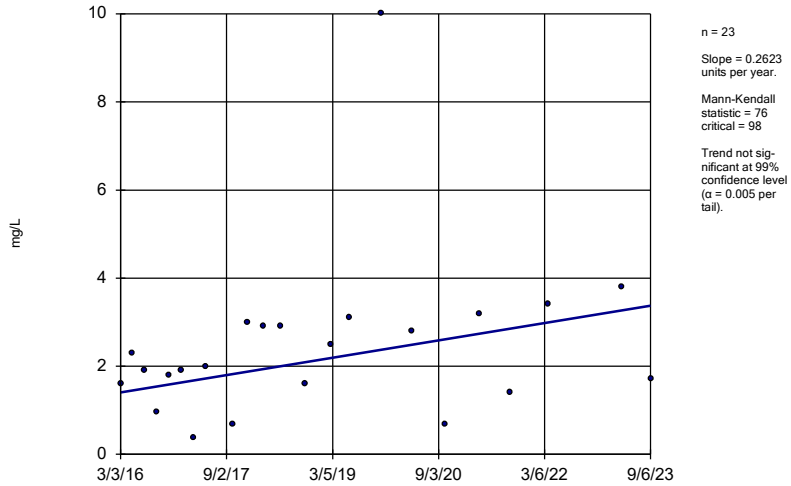
Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 0.2623 units per year.

Mann-Kendall statistic = 76 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

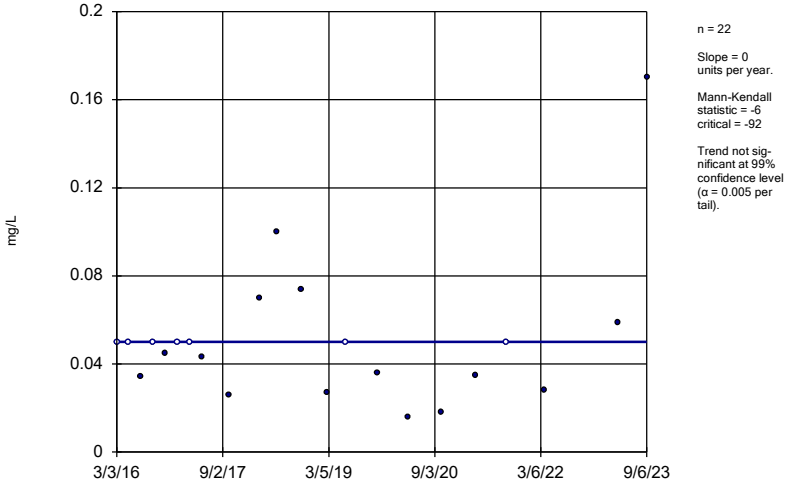
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -6 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

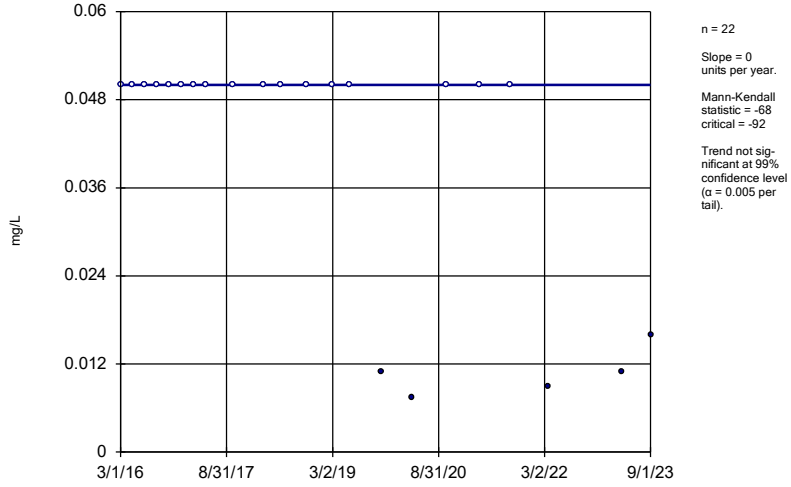
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -68 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

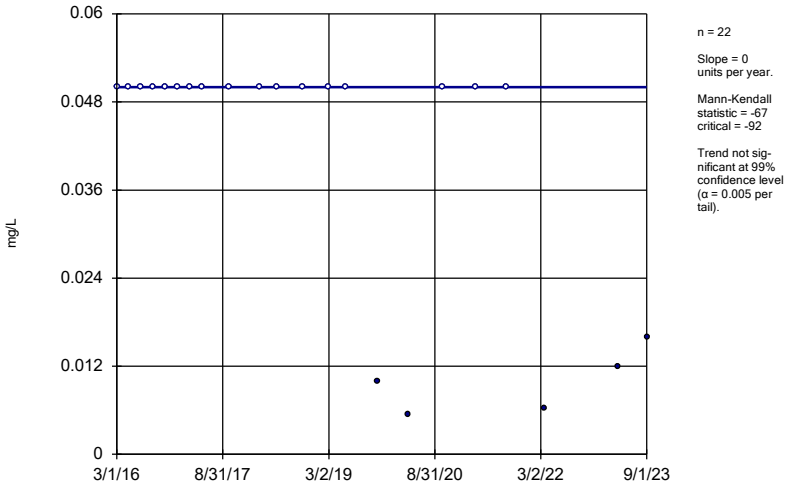
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -67 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

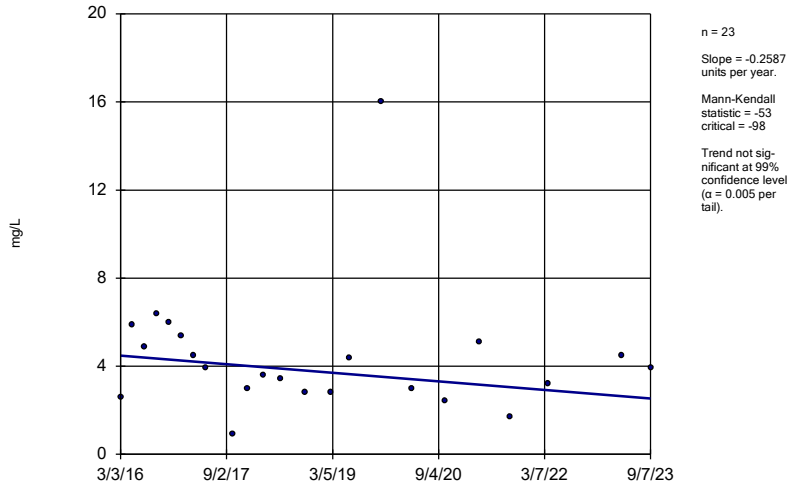
Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -0.2587 units per year.

Mann-Kendall statistic = -53 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

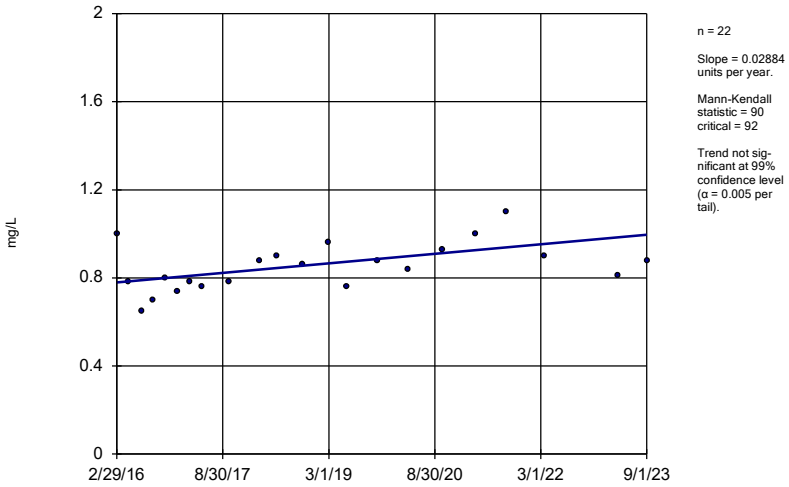
Constituent: Boron Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.02884 units per year.

Mann-Kendall statistic = 90 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

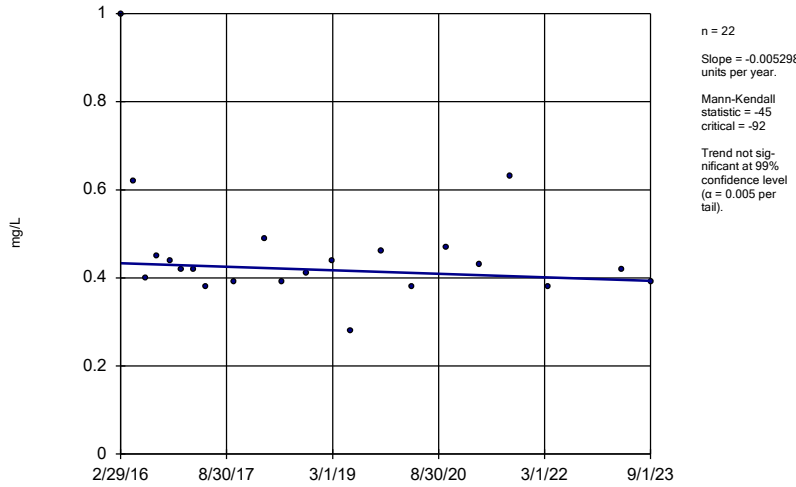
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.005298 units per year.

Mann-Kendall statistic = -45 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

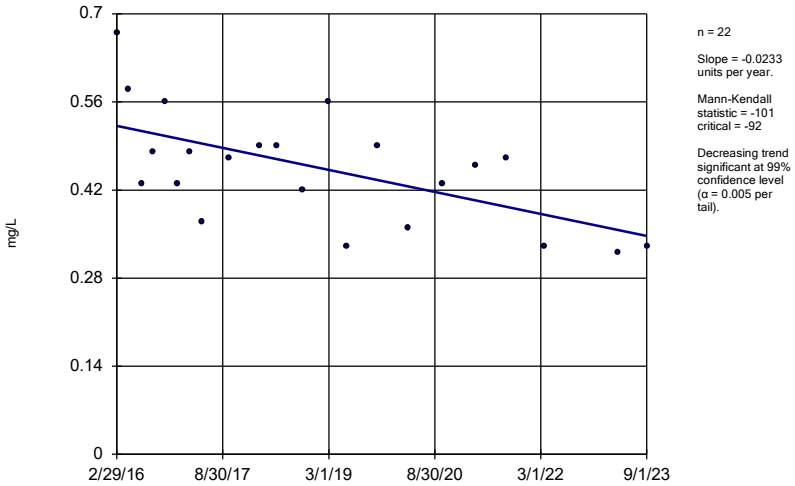
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.0233 units per year.

Mann-Kendall statistic = -101 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

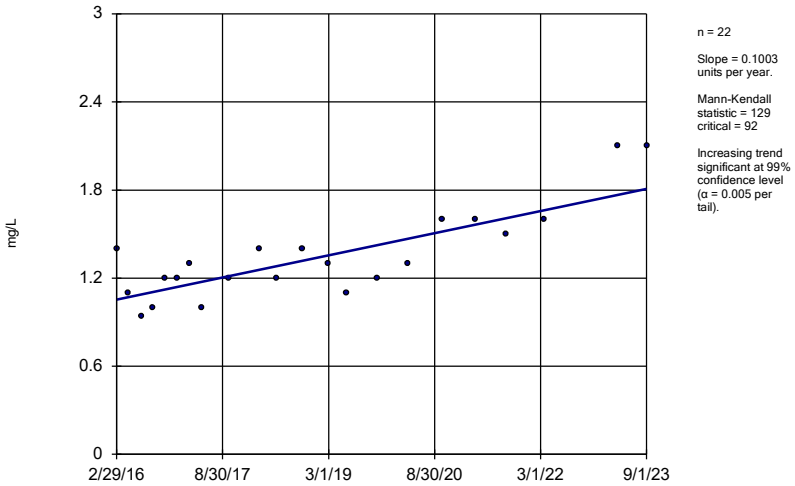
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1003 units per year.

Mann-Kendall statistic = 129 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

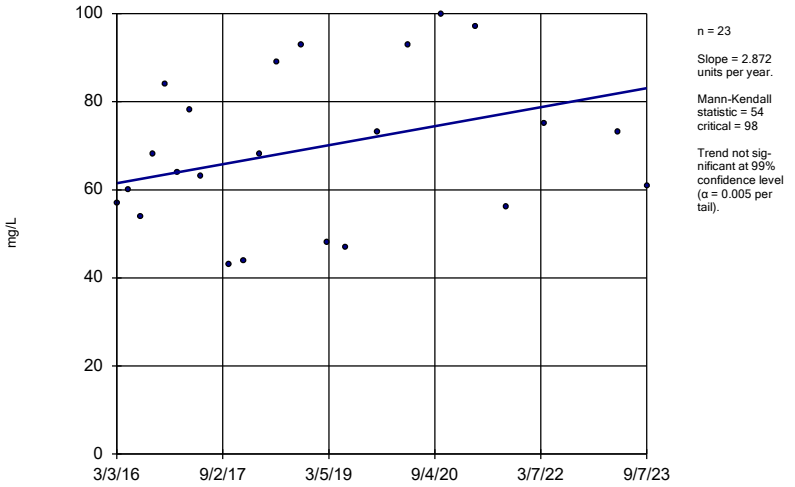
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 2.872 units per year.

Mann-Kendall statistic = 54 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

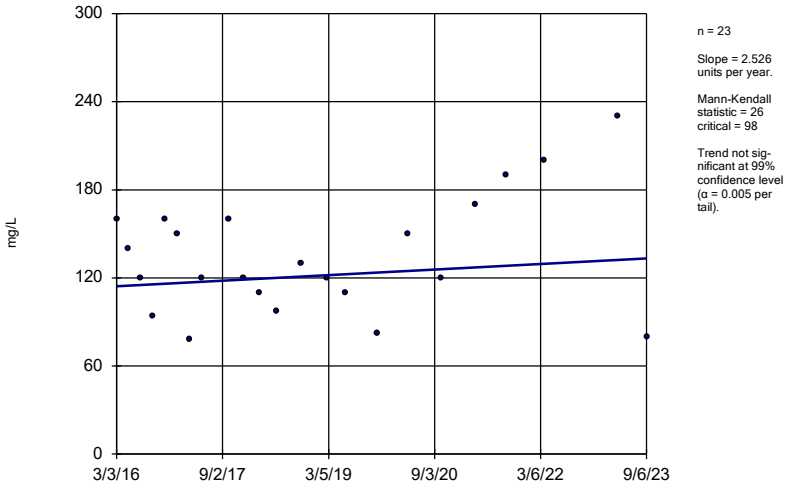
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 2.526 units per year.

Mann-Kendall statistic = 26 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

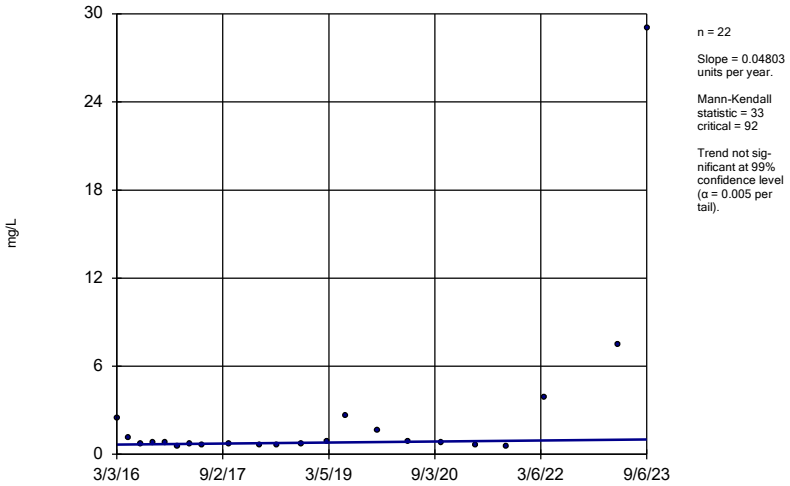
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-305



n = 22

Slope = 0.04803 units per year.

Mann-Kendall statistic = 33
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

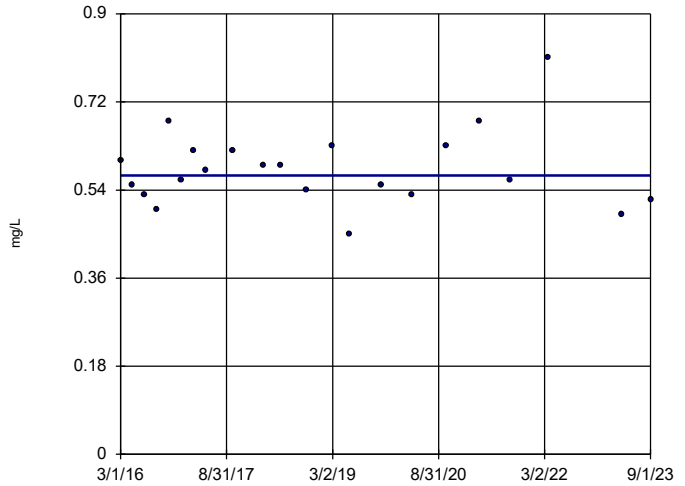
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

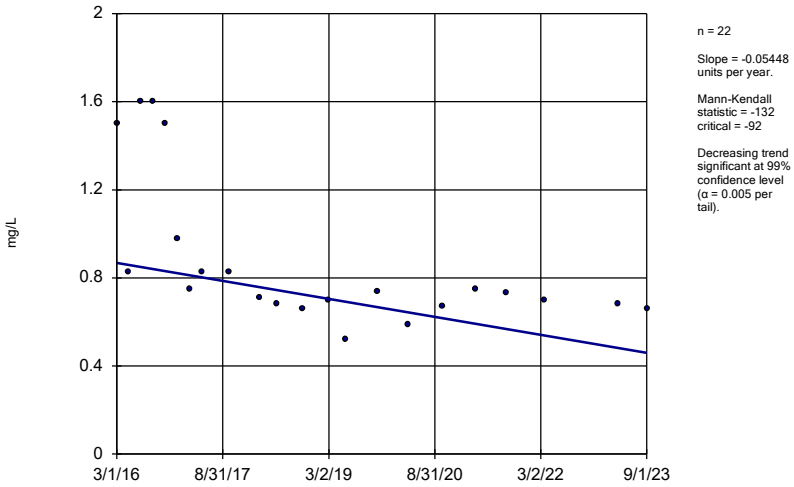
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = -0.05448 units per year.

Mann-Kendall statistic = -132
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

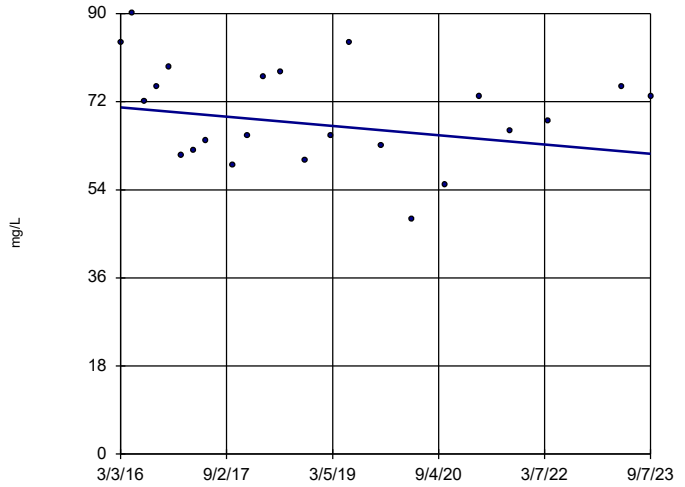
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -1.259 units per year.

Mann-Kendall statistic = -33
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

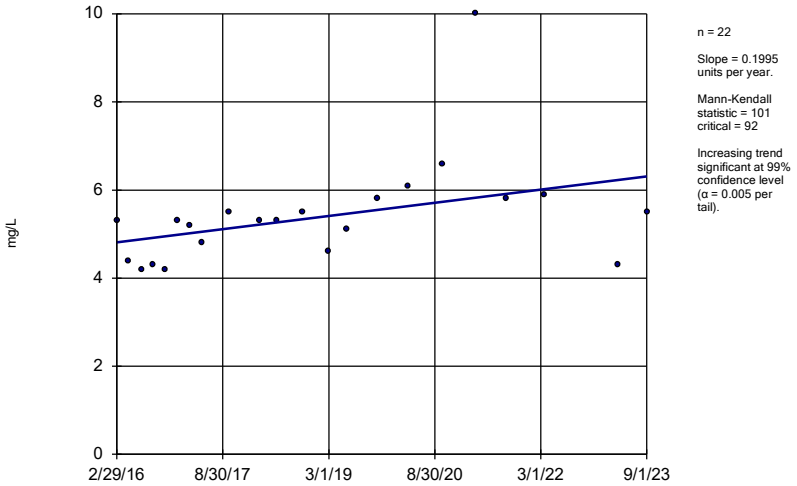
Constituent: Calcium Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.1995 units per year.

Mann-Kendall statistic = 101
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

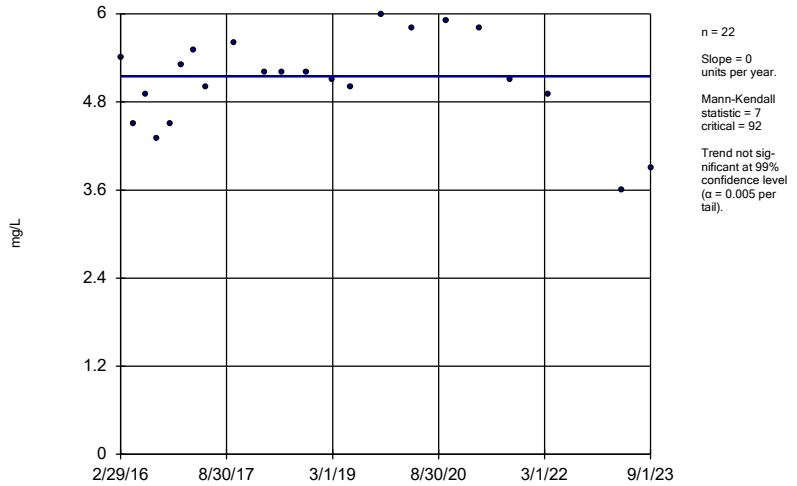
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

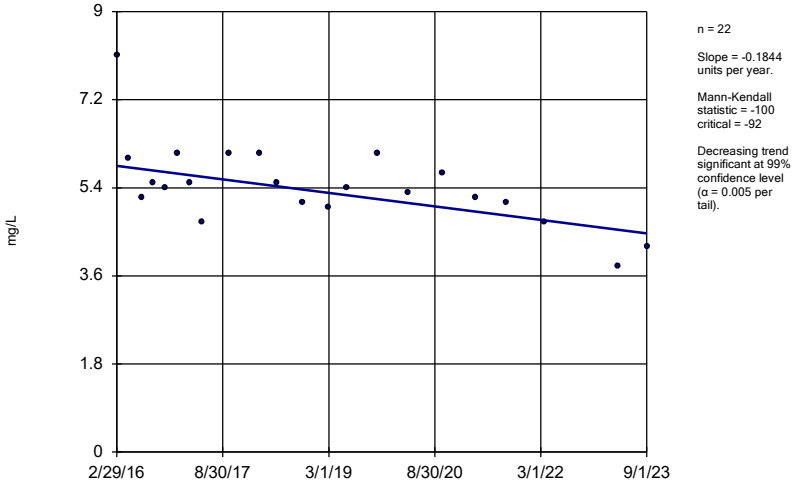
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.1844 units per year.

Mann-Kendall statistic = -100
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

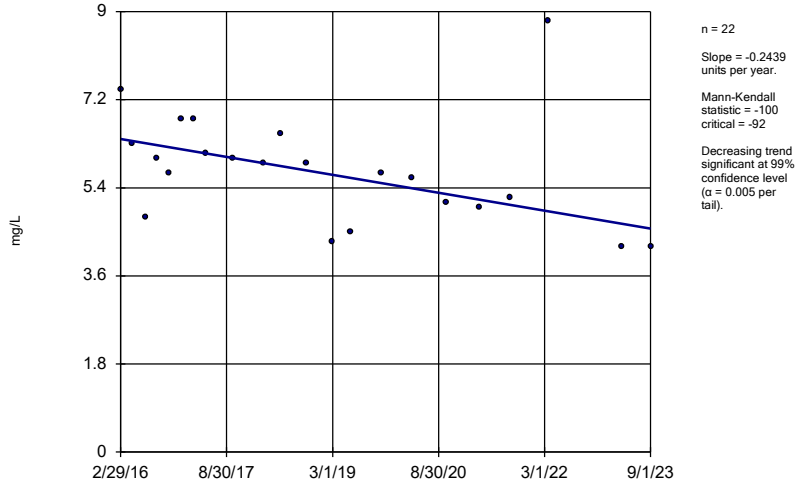
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = -0.2439 units per year.

Mann-Kendall statistic = -100
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

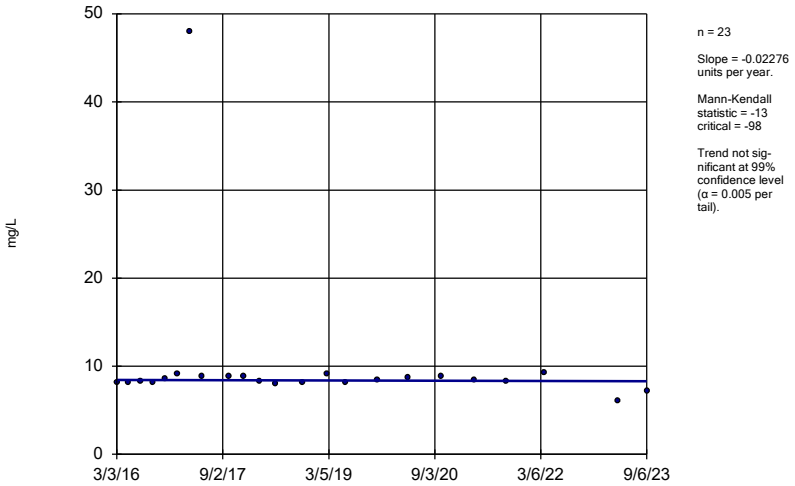
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-300



n = 23

Slope = -0.02276 units per year.

Mann-Kendall statistic = -13
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

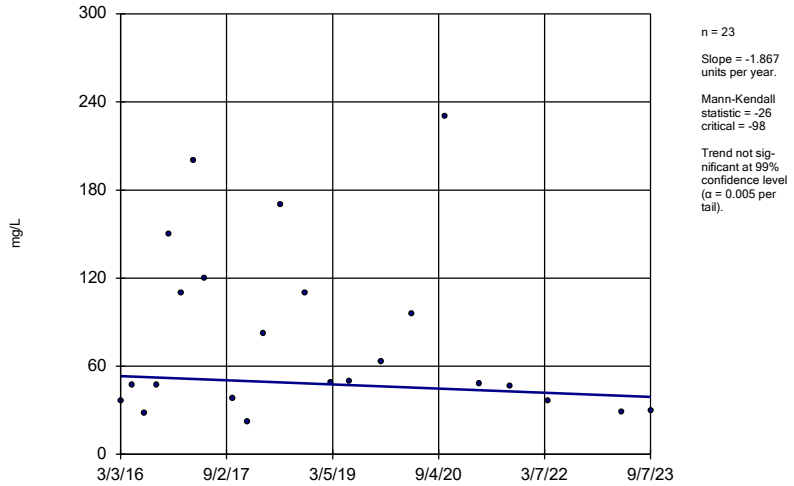
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = -1.867 units per year.

Mann-Kendall statistic = -26
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

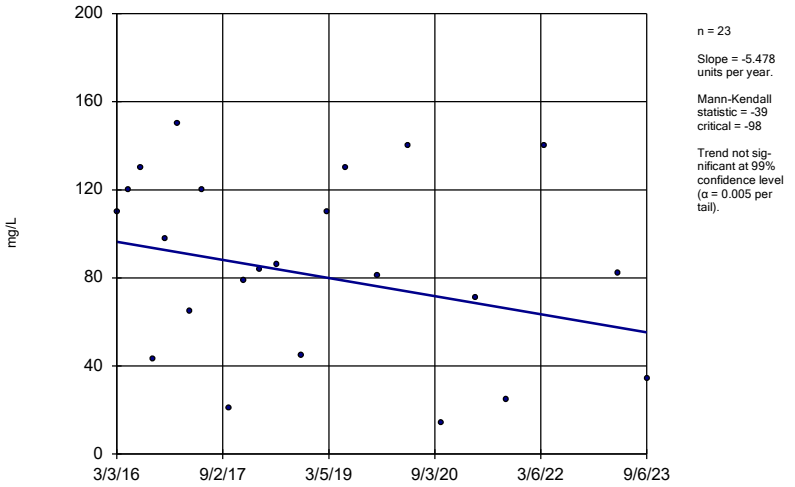
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = -5.478 units per year.

Mann-Kendall statistic = -39
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

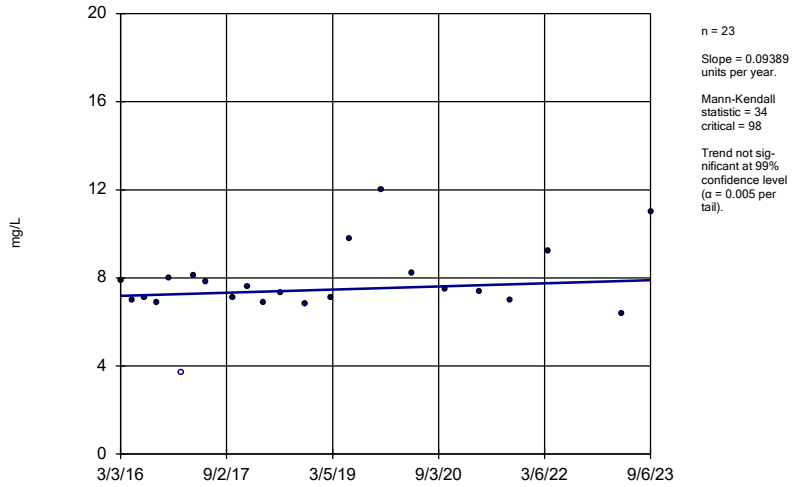
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 23

Slope = 0.09389 units per year.

Mann-Kendall statistic = 34
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

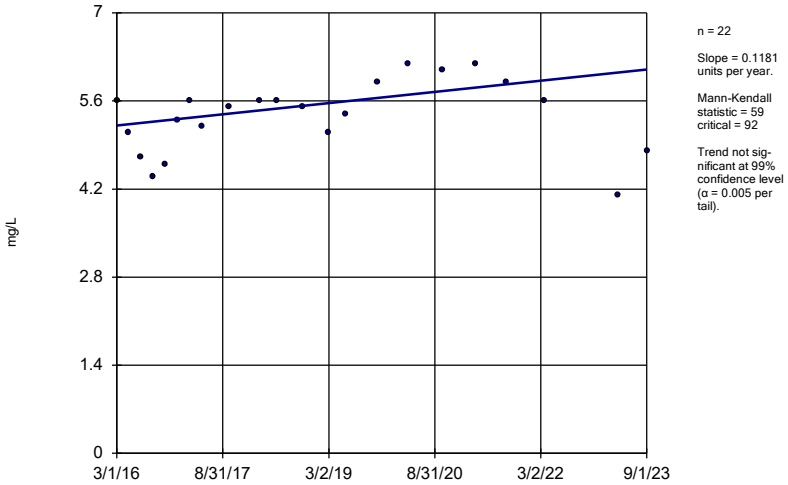
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0.1181 units per year.

Mann-Kendall statistic = 59 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

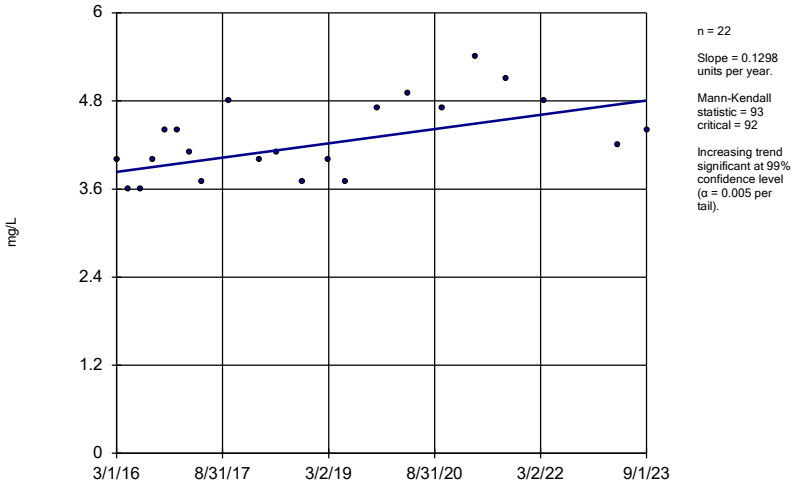
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.1298 units per year.

Mann-Kendall statistic = 93 critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

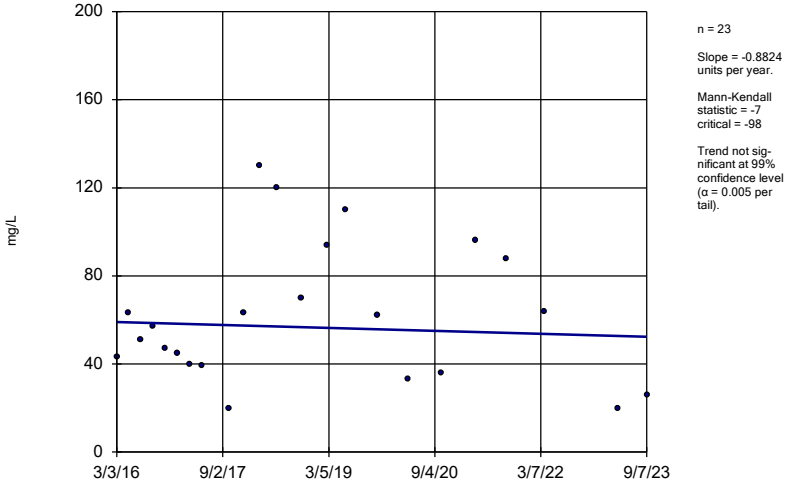
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -0.8824 units per year.

Mann-Kendall statistic = -7 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

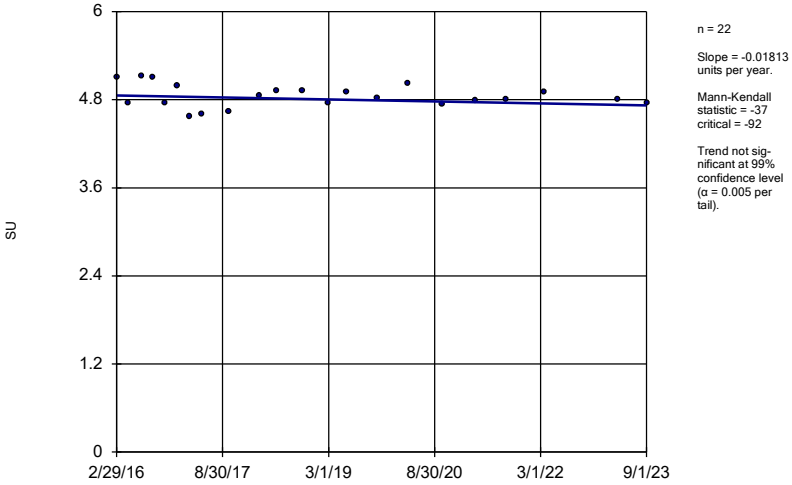
Constituent: Chloride Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = -0.01813 units per year.

Mann-Kendall statistic = -37 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

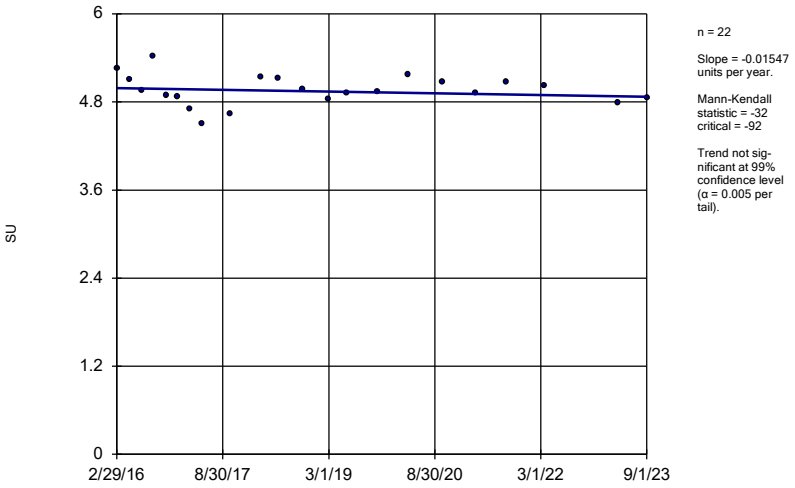
Constituent: Field pH Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.01547 units per year.

Mann-Kendall statistic = -32
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

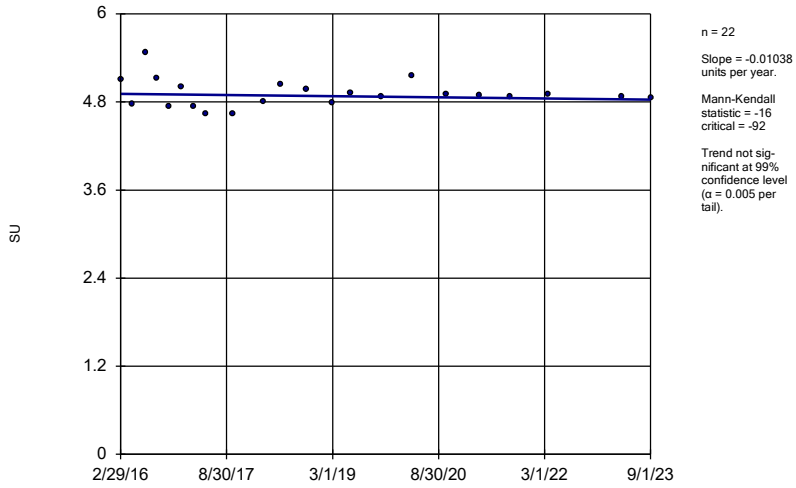
Constituent: Field pH Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.01038 units per year.

Mann-Kendall statistic = -16
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

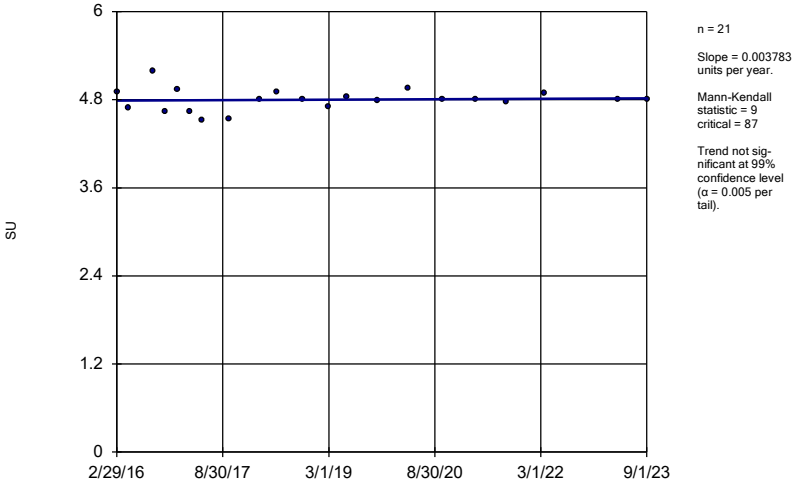
Constituent: Field pH Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 21

Slope = 0.003783 units per year.

Mann-Kendall statistic = 9
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

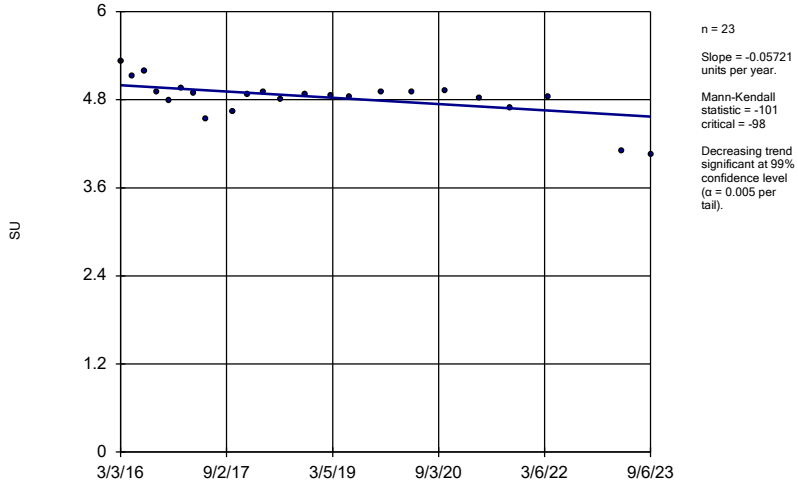
Constituent: Field pH Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-305



n = 23

Slope = -0.05721 units per year.

Mann-Kendall statistic = -101
critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

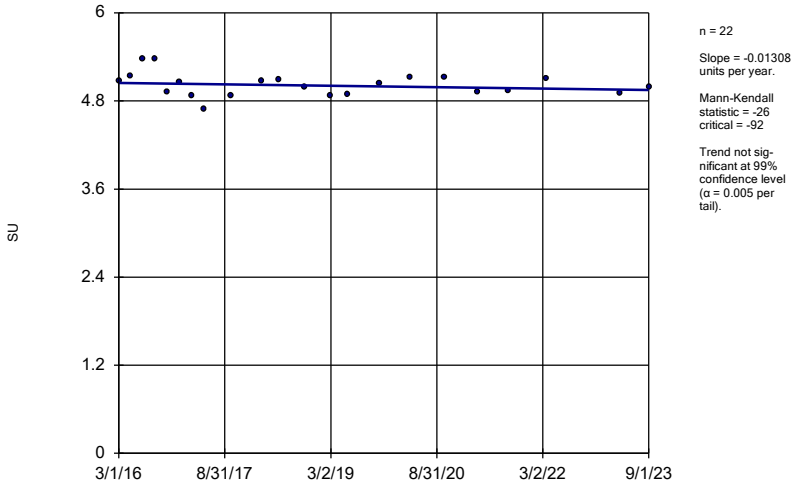
Constituent: Field pH Analysis Run 11/29/2023 9:28 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = -0.01308 units per year.

Mann-Kendall statistic = -26
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

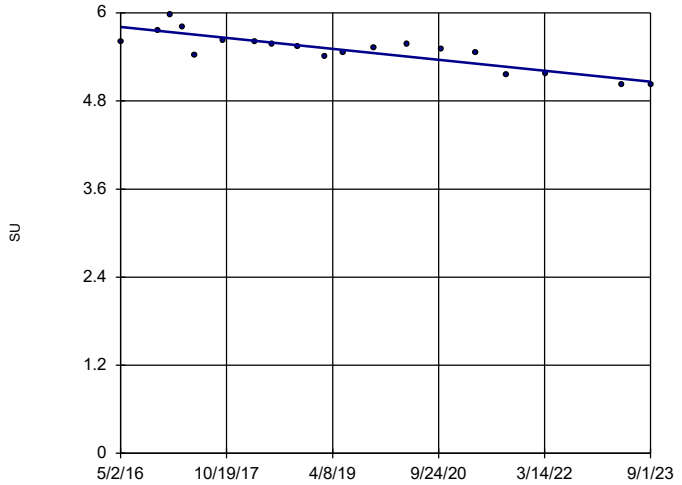
Constituent: Field pH Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-307 (bg)



n = 19

Slope = -0.1014 units per year.

Mann-Kendall statistic = -114
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

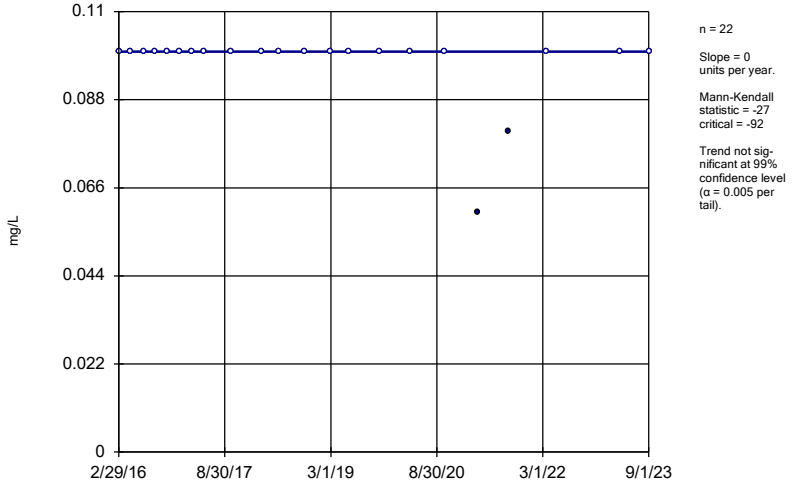
Constituent: Field pH Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

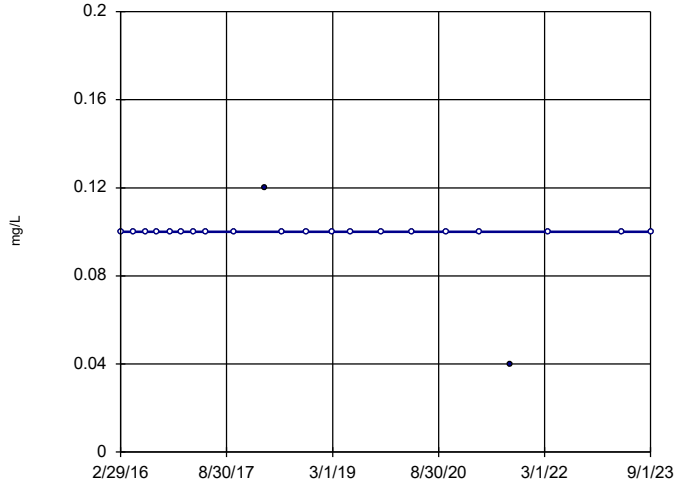
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

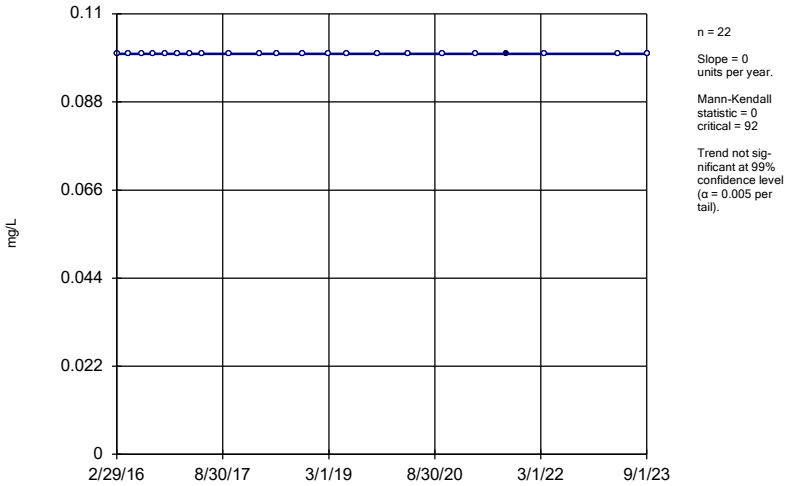
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

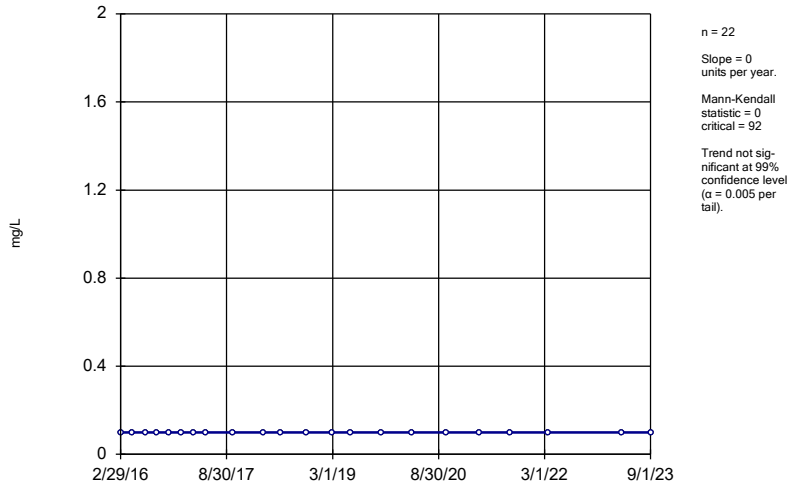
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

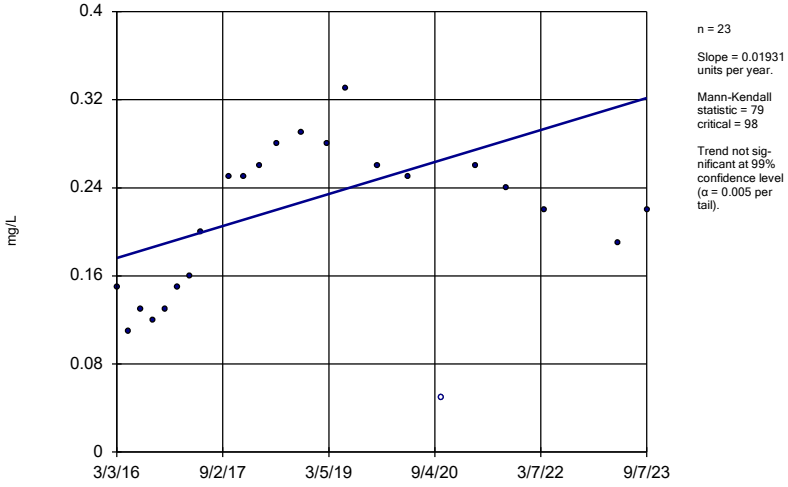
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-303



n = 23

Slope = 0.01931 units per year.

Mann-Kendall statistic = 79 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

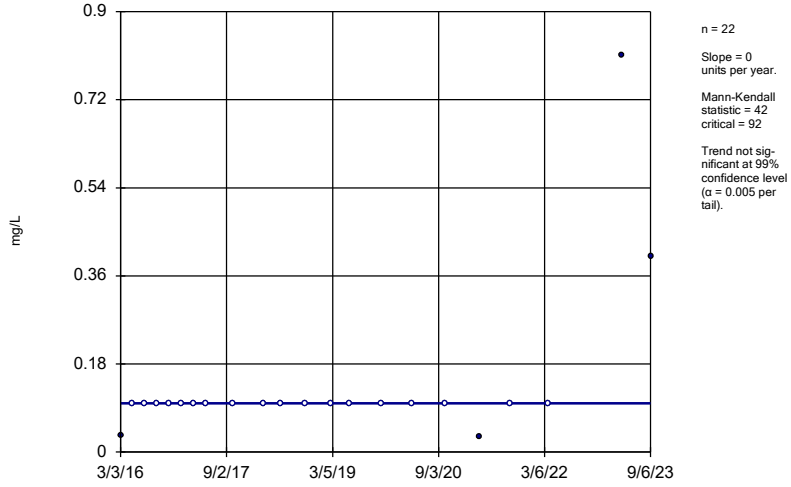
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 42 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

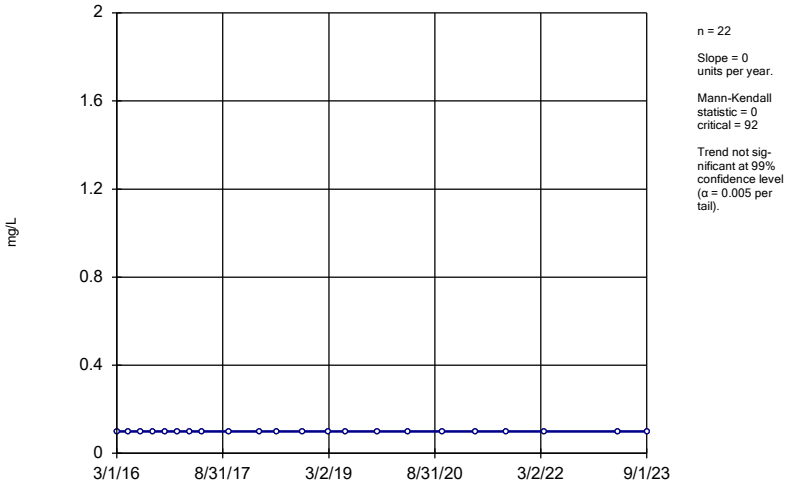
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

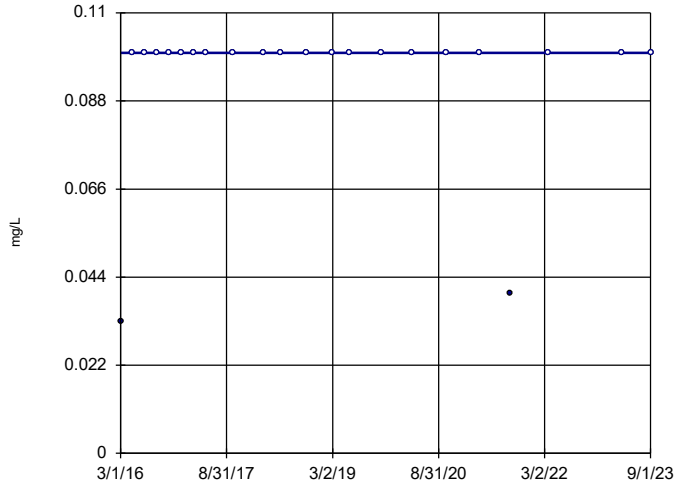
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

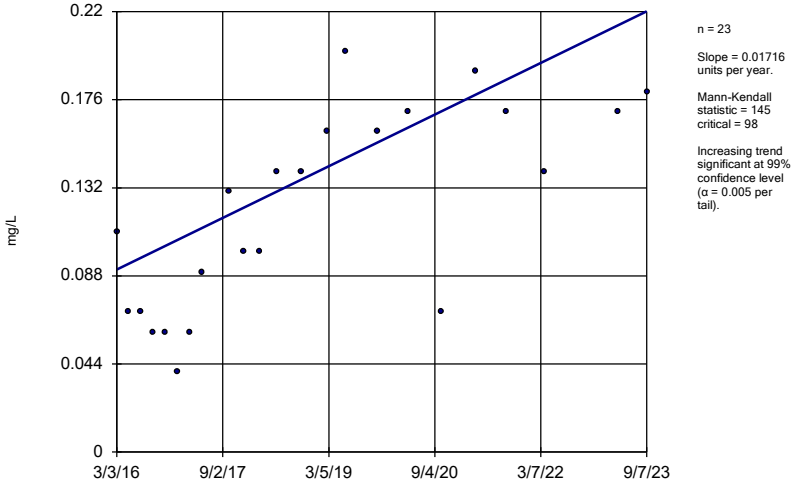
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = 0.01716 units per year.

Mann-Kendall statistic = 145 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

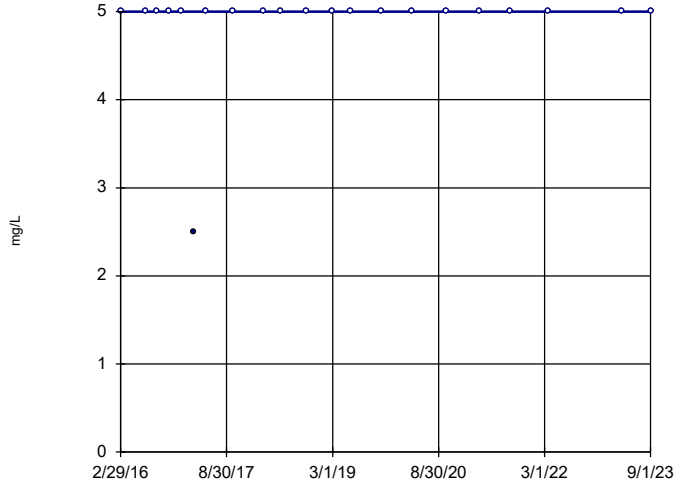
Constituent: Fluoride Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

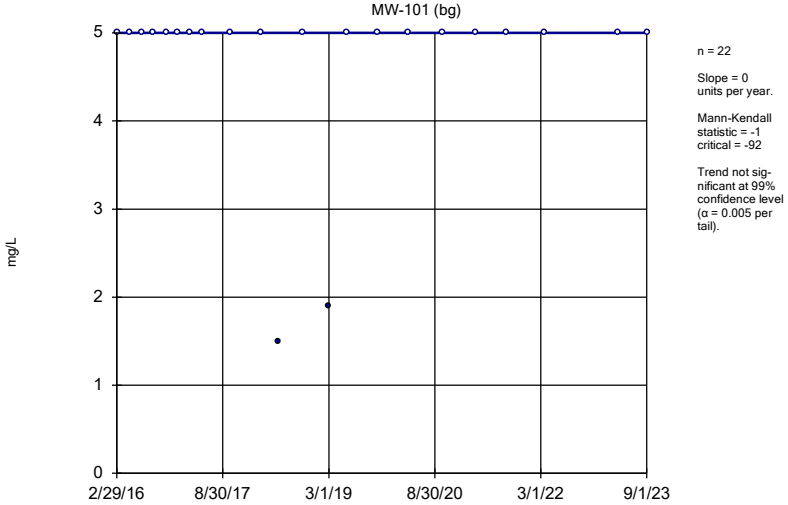
Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -1
critical = -92

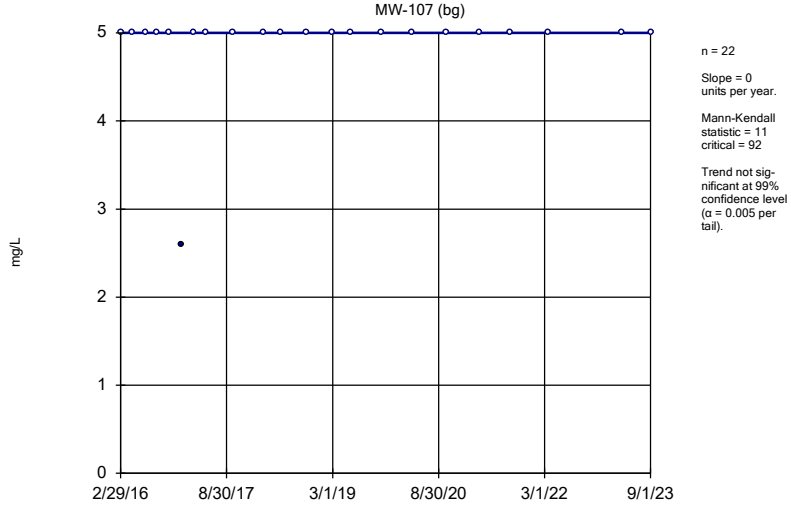
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = 11
critical = 92

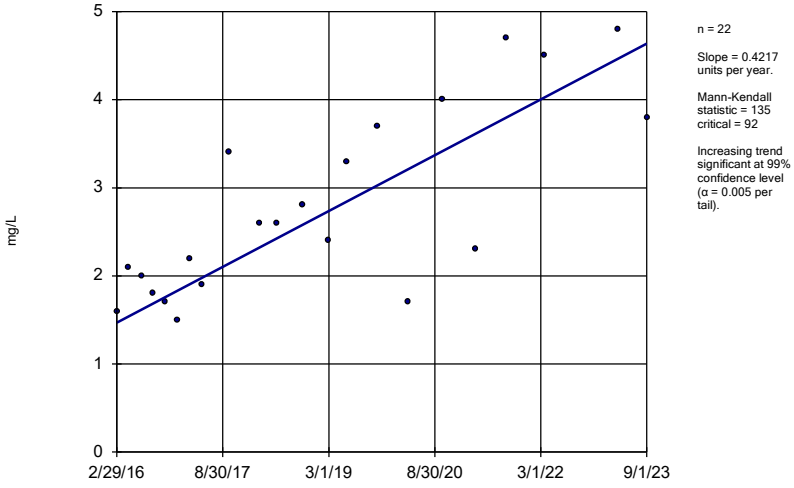
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.4217
units per year.

Mann-Kendall
statistic = 135
critical = 92

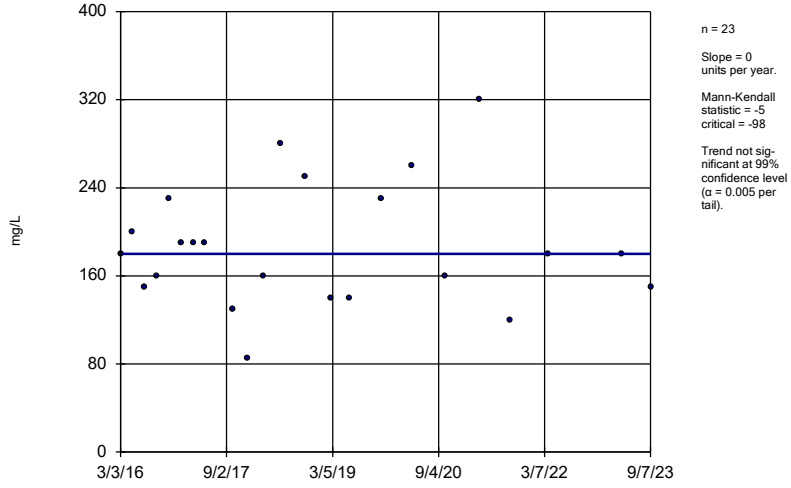
Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = -5
critical = -98

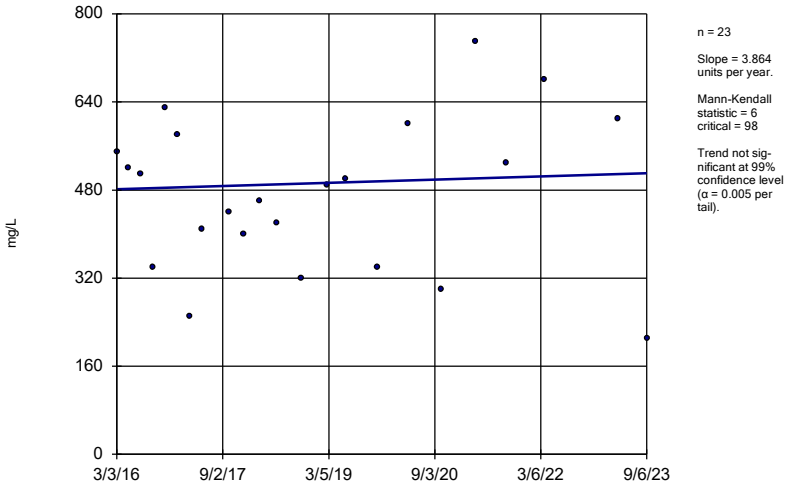
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 3.864 units per year.

Mann-Kendall statistic = 6 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

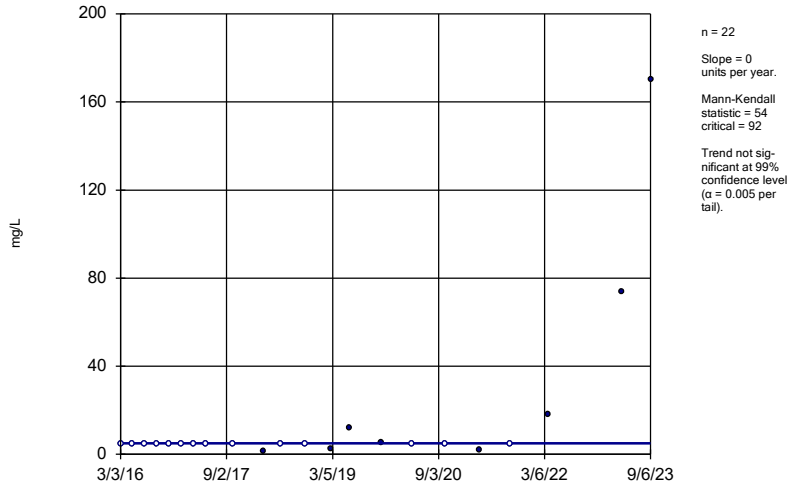
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 54 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

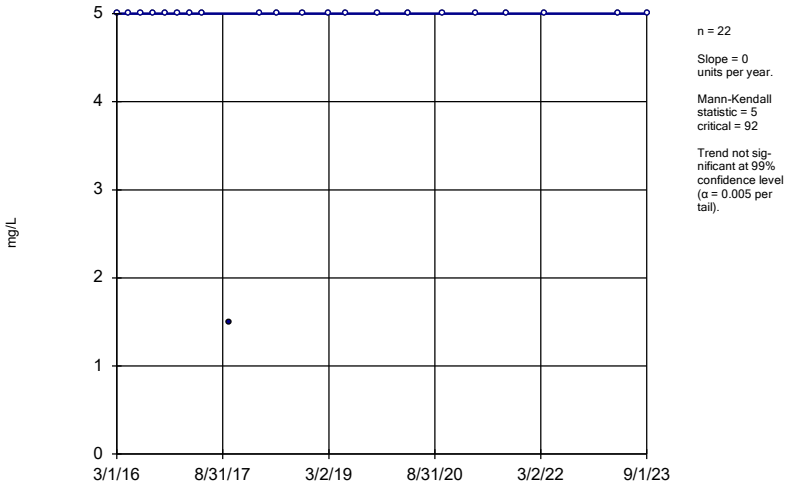
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

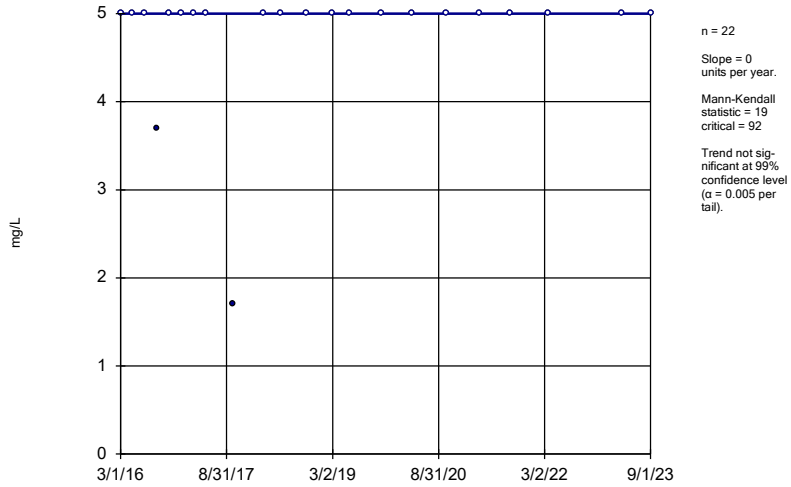
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 19 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

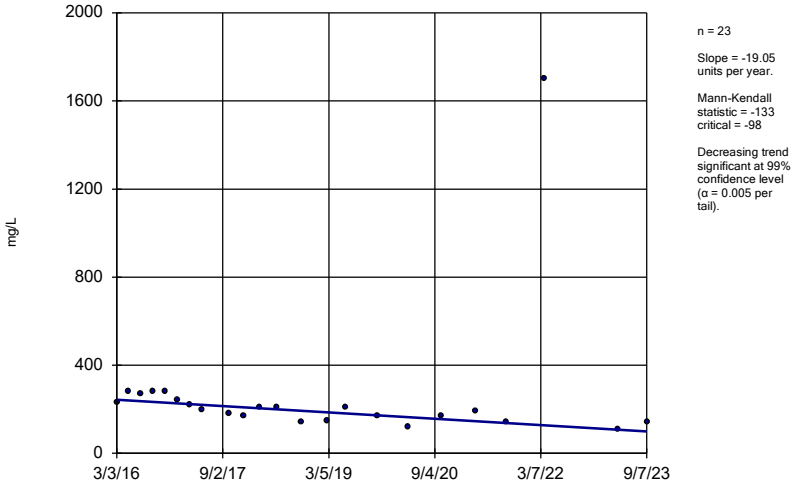
Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -19.05 units per year.

Mann-Kendall statistic = -133 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

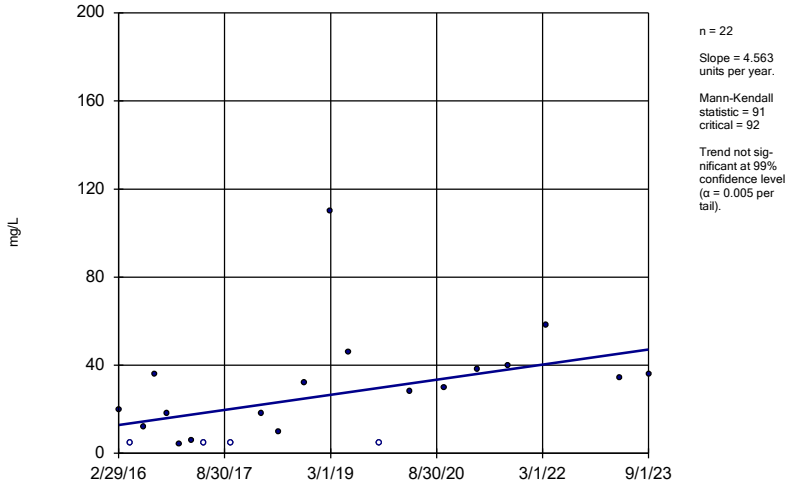
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 4.563 units per year.

Mann-Kendall statistic = 91 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

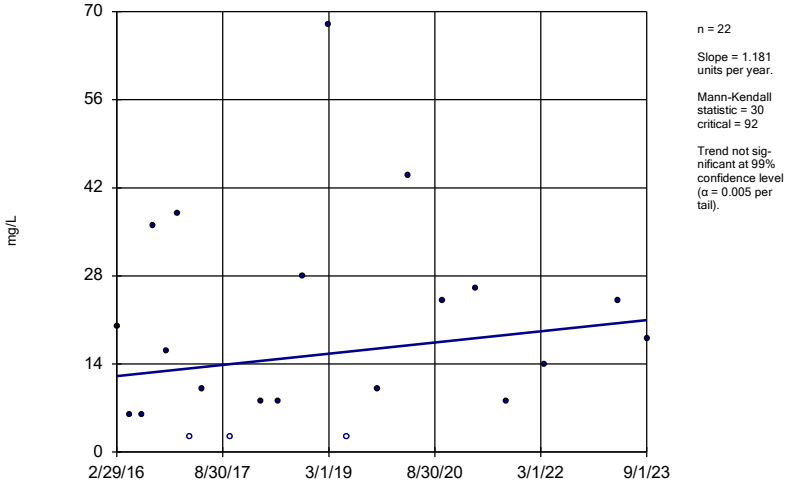
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 1.181 units per year.

Mann-Kendall statistic = 30 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

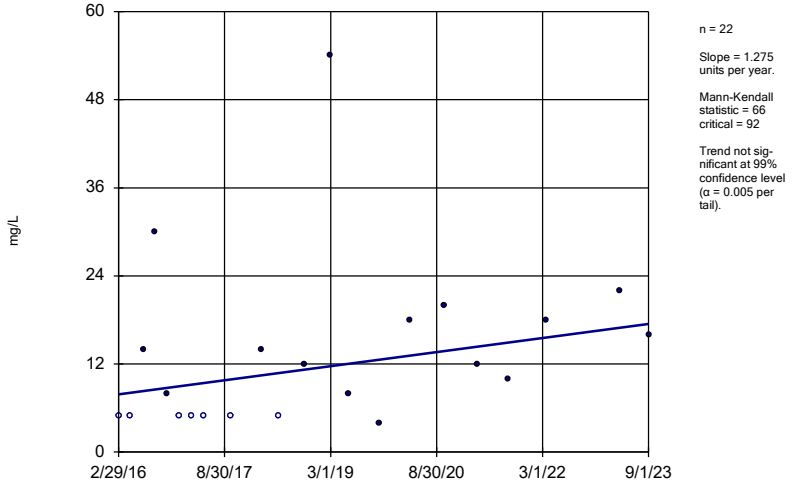
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 1.275 units per year.

Mann-Kendall statistic = 66 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

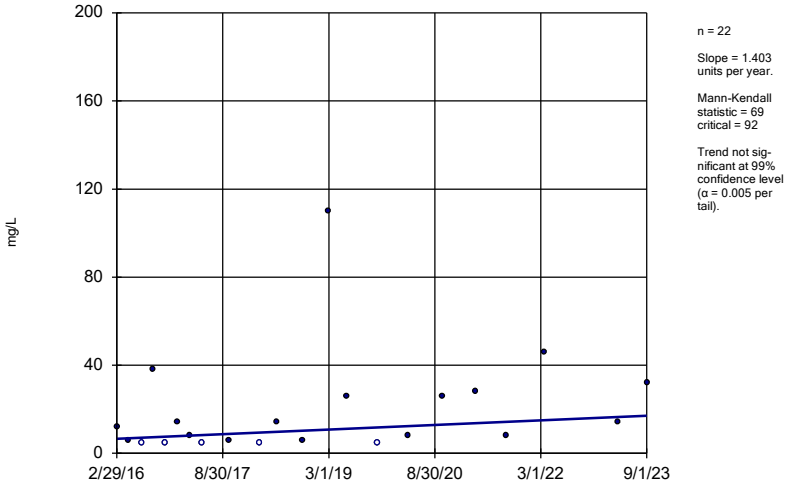
Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 1.403 units per year.

Mann-Kendall statistic = 69
critical = 92

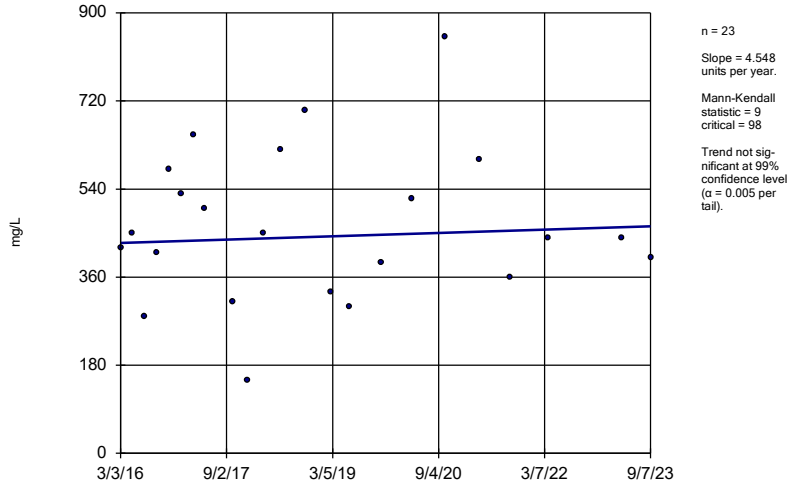
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-303



n = 23

Slope = 4.548 units per year.

Mann-Kendall statistic = 9
critical = 98

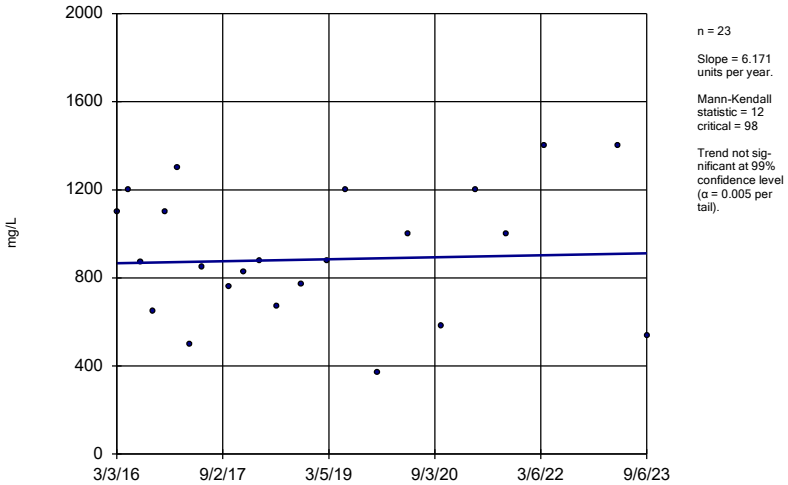
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-304



n = 23

Slope = 6.171 units per year.

Mann-Kendall statistic = 12
critical = 98

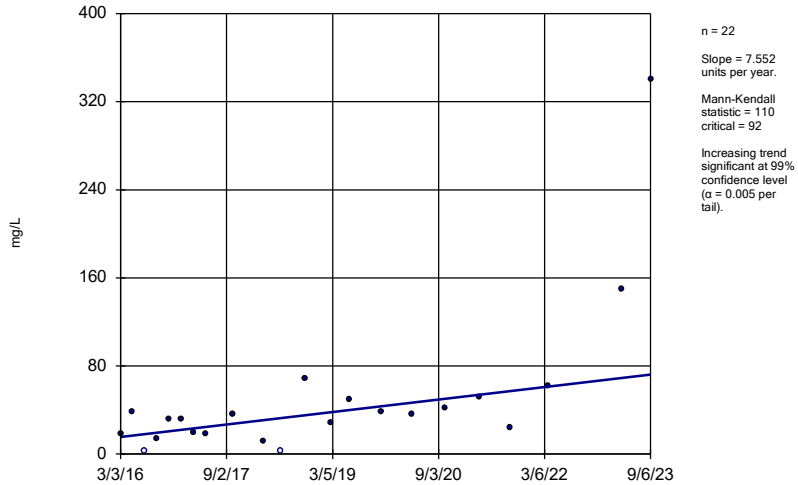
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 22

Slope = 7.552 units per year.

Mann-Kendall statistic = 110
critical = 92

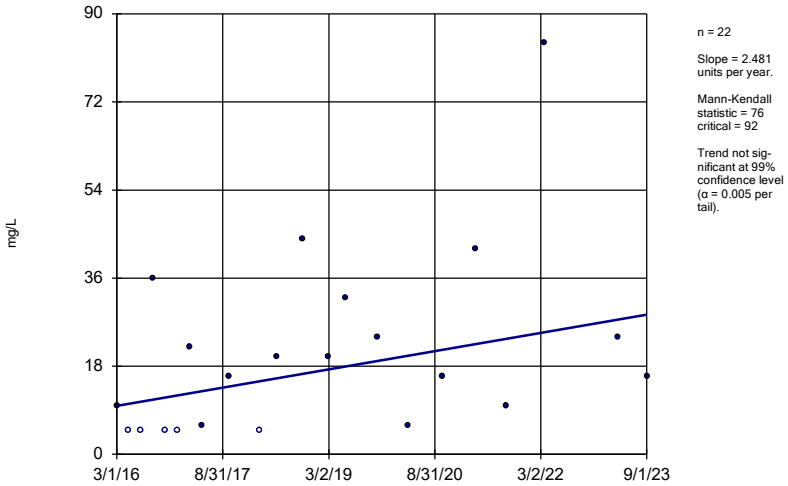
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 2.481 units per year.

Mann-Kendall statistic = 76
critical = 92

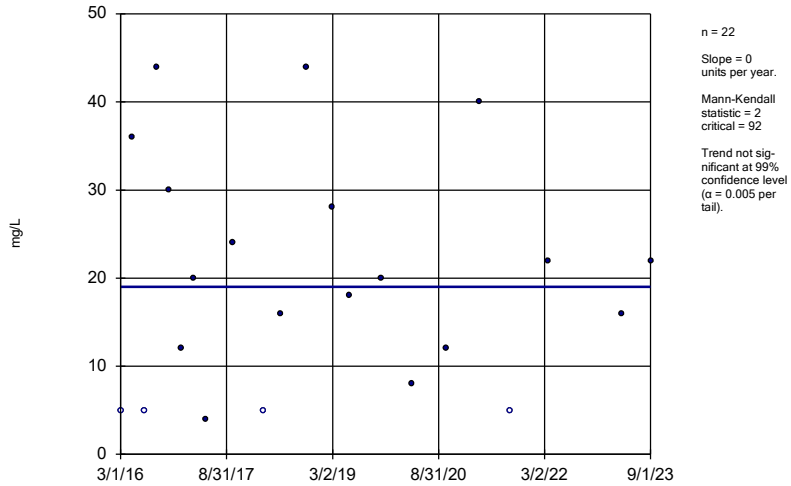
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 2
critical = 92

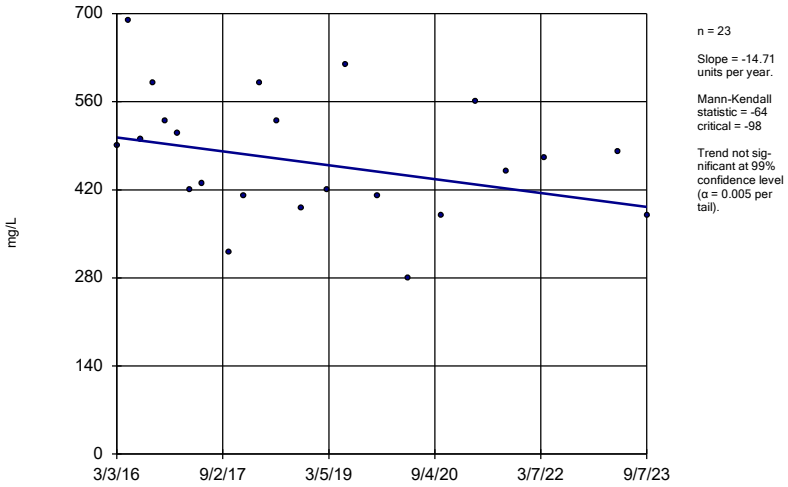
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Sen's Slope Estimator

MW-308



n = 23

Slope = -14.71 units per year.

Mann-Kendall statistic = -64
critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/29/2023 9:29 PM View: 300 Series - Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Upper Tolerance Limits

Upper Tolerance Limits Summary Table

Gulf Clean Energy Center Data: Gulf Clean Energy Plant Printed 11/29/2023, 5:54 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0005	n/a	n/a	n/a	n/a	120	100	n/a	0.002122	NP Inter(NDs)
Arsenic (mg/L)	0.0013	n/a	n/a	n/a	n/a	132	84.09	n/a	0.001147	NP Inter(NDs)
Barium (mg/L)	0.023	n/a	n/a	n/a	n/a	132	0	n/a	0.001147	NP Inter(normality)
Beryllium (mg/L)	0.0015	n/a	n/a	n/a	n/a	132	90.15	n/a	0.001147	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	132	100	n/a	0.001147	NP Inter(NDs)
Chromium (mg/L)	0.0088	n/a	n/a	n/a	n/a	131	81.68	n/a	0.001207	NP Inter(NDs)
Cobalt (mg/L)	0.0032	n/a	n/a	n/a	n/a	132	35.61	n/a	0.001147	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	2.794	n/a	n/a	n/a	n/a	132	2.273	ln(x)	0.05	Inter
Fluoride (mg/L)	0.12	n/a	n/a	n/a	n/a	138	94.93	n/a	0.0008431	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	132	94.7	n/a	0.001147	NP Inter(NDs)
Lithium (mg/L)	0.0054	n/a	n/a	n/a	n/a	131	72.52	n/a	0.001207	NP Inter(NDs)
Mercury (mg/L)	0.00025	n/a	n/a	n/a	n/a	132	95.45	n/a	0.001147	NP Inter(NDs)
Molybdenum (mg/L)	0.0042	n/a	n/a	n/a	n/a	132	93.94	n/a	0.001147	NP Inter(NDs)
Selenium (mg/L)	0.0034	n/a	n/a	n/a	n/a	132	78.79	n/a	0.001147	NP Inter(NDs)
Thallium (mg/L)	0.00015	n/a	n/a	n/a	n/a	132	99.24	n/a	0.001147	NP Inter(NDs)

Groundwater Protection Standards

GULF CLEAN ENERGY CENTER GWPS				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0005	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.023	2
Beryllium, Total (mg/L)	0.004		0.0015	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0088	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.79	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0054	0.04
Mercury, Total (mg/L)	0.002		0.00025	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0042	0.1
Selenium, Total (mg/L)	0.05		0.0034	0.05
Thallium, Total (mg/L)	0.002		0.00015	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Trend Tests - All Series

Appendix IV Trend Tests - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**MW-100 (bg)**	**0.00003752**	**98**	**71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**MW-110**	**0.002086**	**112**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-100 (bg)**	**0.0898**	**82**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**-2.347**	**-154**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**-1.922**	**-95**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**-4.588**	**-180**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Mercury (mg/L)	**MW-110**	**-0.0004557**	**-96**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**MW-303**	**-0.1695**	**-168**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**MW-100 (bg)**	**0.00003752**	**98**	**71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-101 (bg)	0	-52	-71	No	22	72.73	n/a	0.05	NP
Cobalt (mg/L)	MW-104	0.0008156	51	71	No	22	0	n/a	0.05	NP
Cobalt (mg/L)	MW-107 (bg)	-0.00002235	-35	-71	No	22	22.73	n/a	0.05	NP
Cobalt (mg/L)	MW-108 (bg)	0	-40	-71	No	22	63.64	n/a	0.05	NP
Cobalt (mg/L)	**MW-110**	**0.002086**	**112**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-304	-0.001775	-16	-34	No	13	0	n/a	0.05	NP
Cobalt (mg/L)	MW-306 (bg)	0	6	71	No	22	36.36	n/a	0.05	NP
Cobalt (mg/L)	MW-307 (bg)	0.00004589	58	71	No	22	13.64	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**MW-100 (bg)**	**0.0898**	**82**	**71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	MW-101 (bg)	-0.02907	-33	-71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-104	0.2138	23	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-107 (bg)	0.01322	16	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-108 (bg)	0.1312	69	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-110	-0.227	-70	-71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**-2.347**	**-154**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**-1.922**	**-95**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**-4.588**	**-180**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	MW-303	0.06912	26	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-306 (bg)	0.04292	62	71	No	22	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	MW-307 (bg)	0.005038	4	71	No	22	13.64	n/a	0.05	NP
Mercury (mg/L)	MW-100 (bg)	0	0	71	No	22	100	n/a	0.05	NP
Mercury (mg/L)	MW-101 (bg)	0	5	71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	MW-107 (bg)	0	46	71	No	22	86.36	n/a	0.05	NP
Mercury (mg/L)	MW-108 (bg)	0	-9	-71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	**MW-110**	**-0.0004557**	**-96**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Mercury (mg/L)	MW-306 (bg)	0	-9	-71	No	22	95.45	n/a	0.05	NP
Mercury (mg/L)	MW-307 (bg)	0	0	71	No	22	100	n/a	0.05	NP
Molybdenum (mg/L)	MW-100 (bg)	0	-23	-71	No	22	90.91	n/a	0.05	NP
Molybdenum (mg/L)	MW-101 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-107 (bg)	0	3	71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-108 (bg)	0	-13	-71	No	22	90.91	n/a	0.05	NP
Molybdenum (mg/L)	**MW-303**	**-0.1695**	**-168**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	MW-306 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP
Molybdenum (mg/L)	MW-307 (bg)	0	-15	-71	No	22	95.45	n/a	0.05	NP

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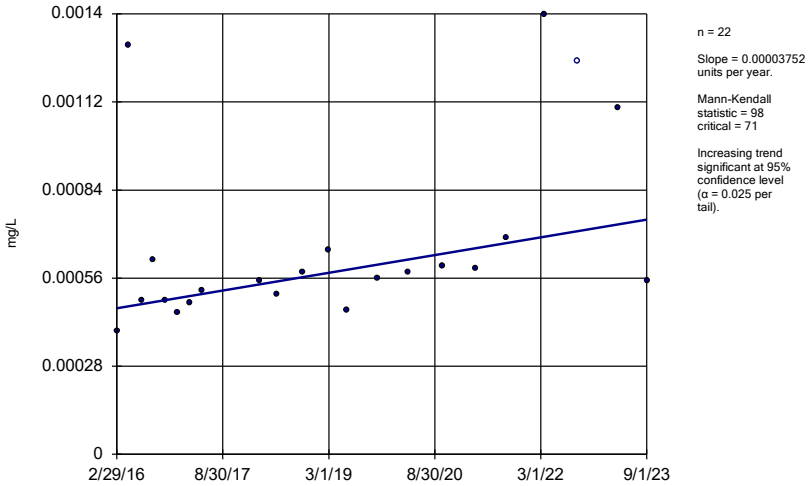
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.00003752 units per year.

Mann-Kendall statistic = 98
critical = 71

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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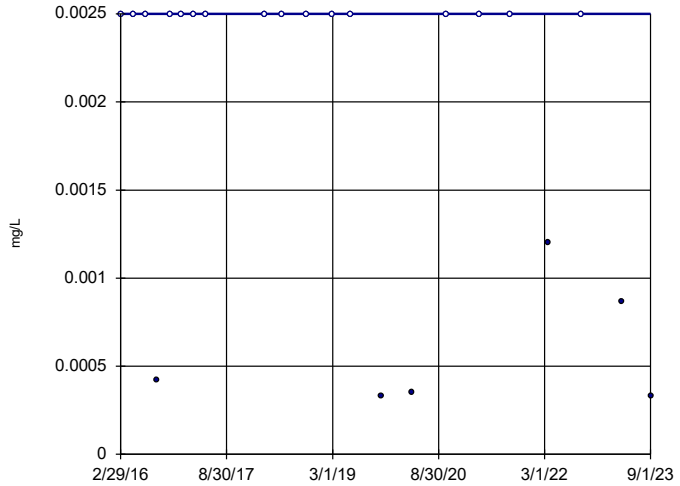
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -52
critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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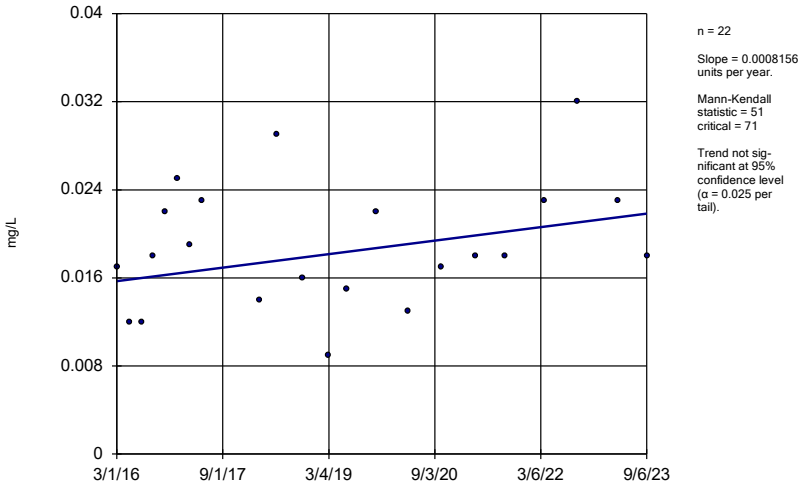
Sen's Slope Estimator

MW-104



n = 22

Slope = 0.0008156 units per year.

Mann-Kendall statistic = 51
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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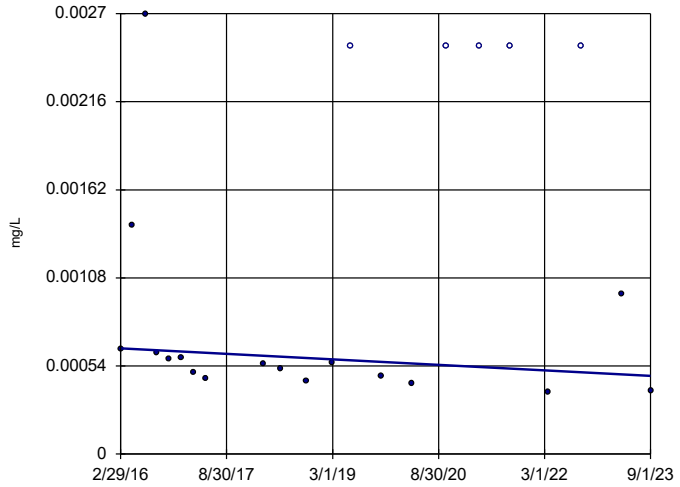
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = -0.00002235 units per year.

Mann-Kendall statistic = -35
critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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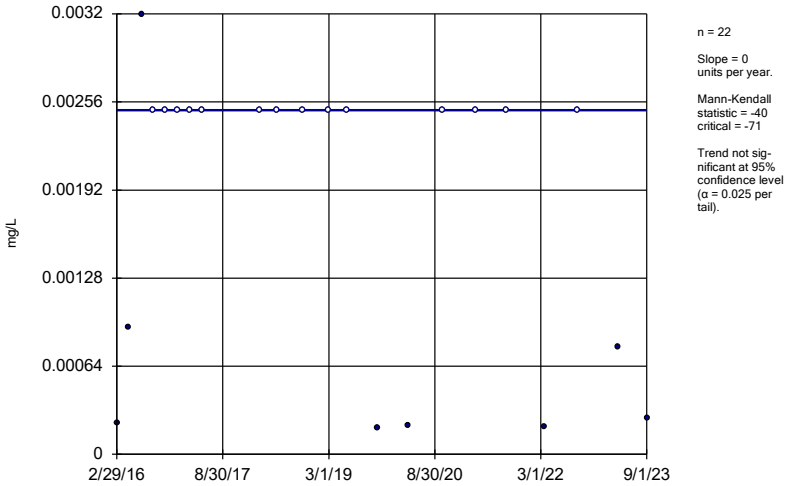
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -40
critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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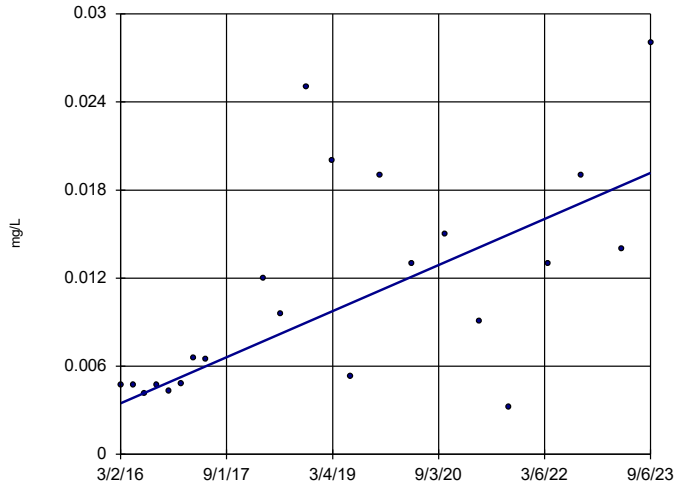
Sen's Slope Estimator

MW-110



n = 22

Slope = 0.002086 units per year.

Mann-Kendall statistic = 112
critical = 71

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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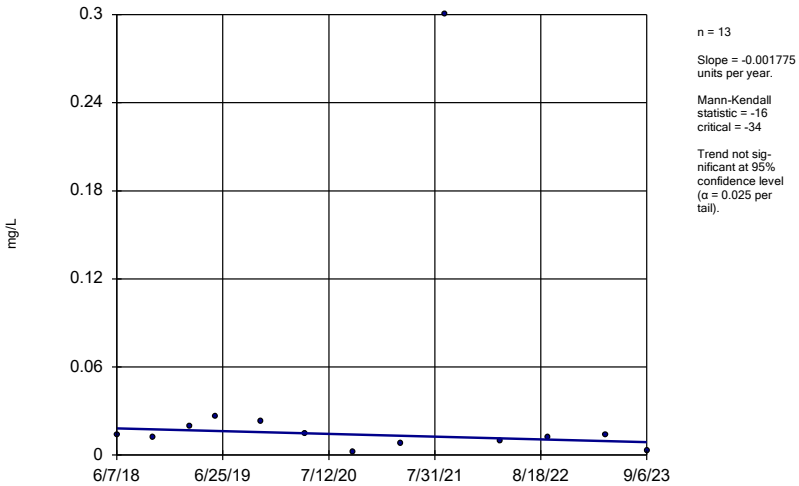
Sen's Slope Estimator

MW-304



n = 13

Slope = -0.001775 units per year.

Mann-Kendall statistic = -16
critical = -34

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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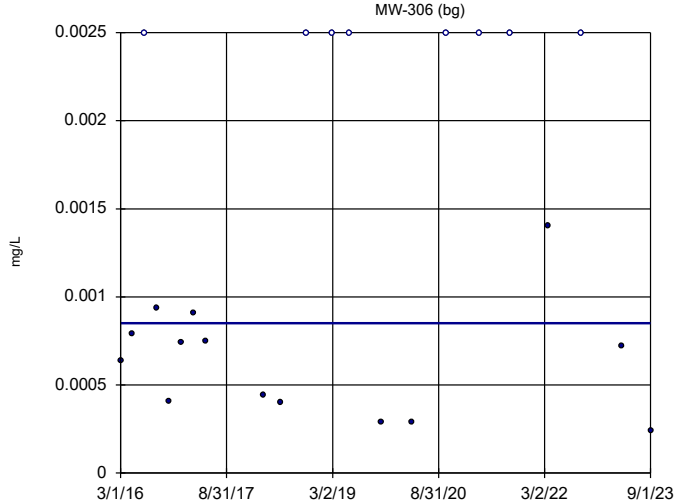
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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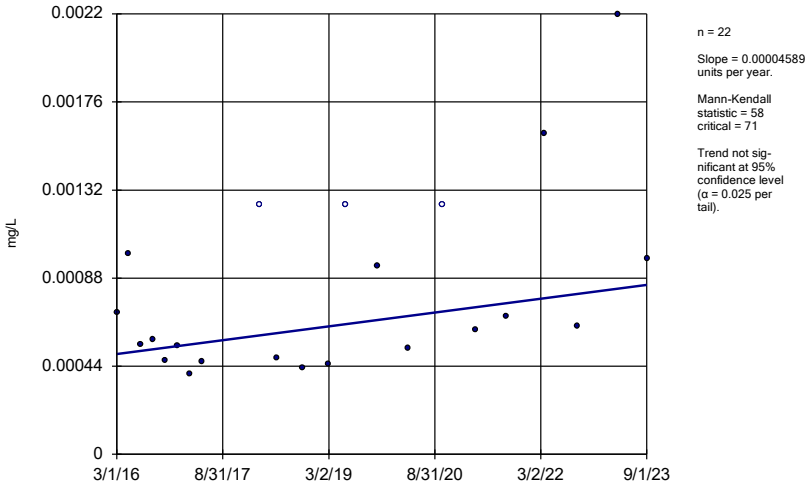
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.00004589 units per year.

Mann-Kendall statistic = 58 critical = 71

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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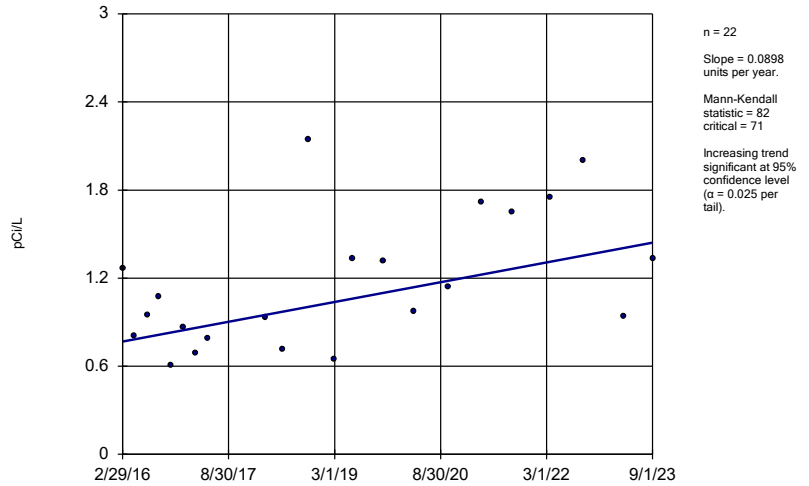
Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0.0898 units per year.

Mann-Kendall statistic = 82 critical = 71

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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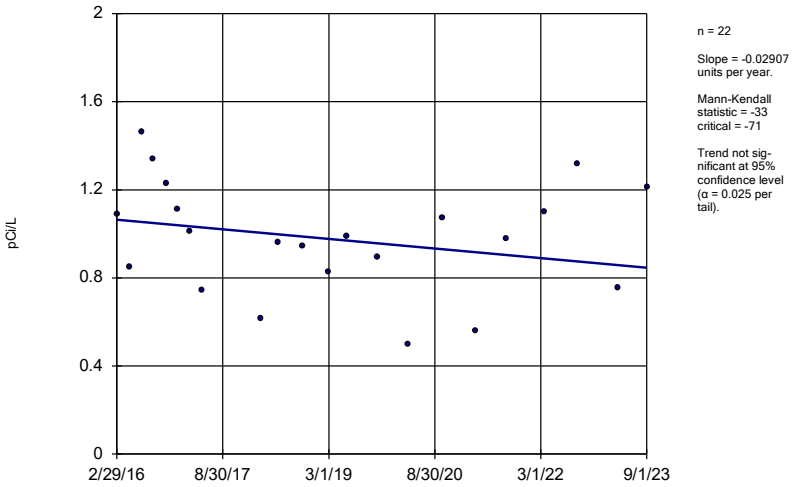
Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = -0.02907 units per year.

Mann-Kendall statistic = -33 critical = -71

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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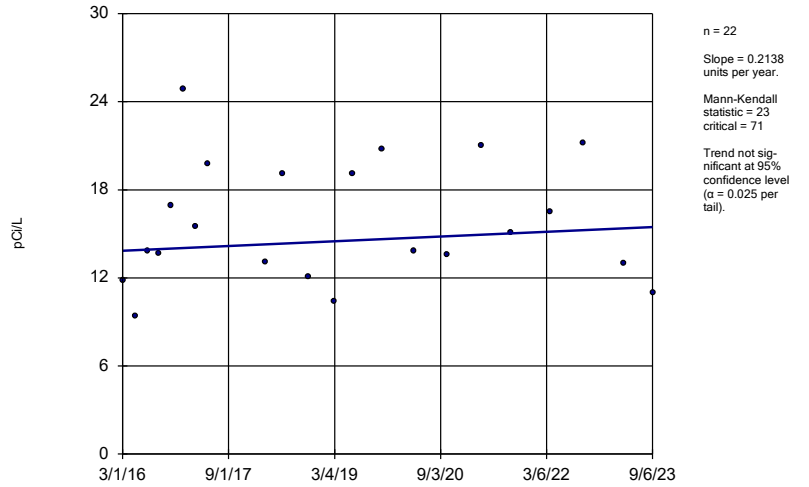
Sen's Slope Estimator

MW-104



n = 22

Slope = 0.2138 units per year.

Mann-Kendall statistic = 23 critical = 71

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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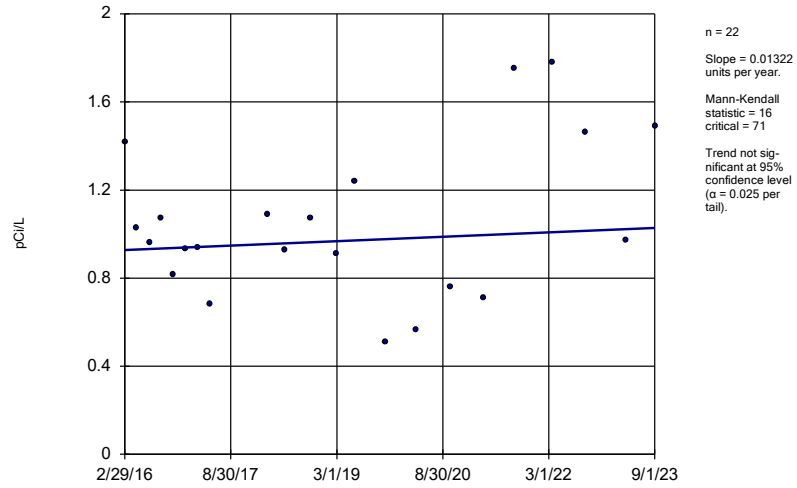
Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0.01322 units per year.

Mann-Kendall statistic = 16 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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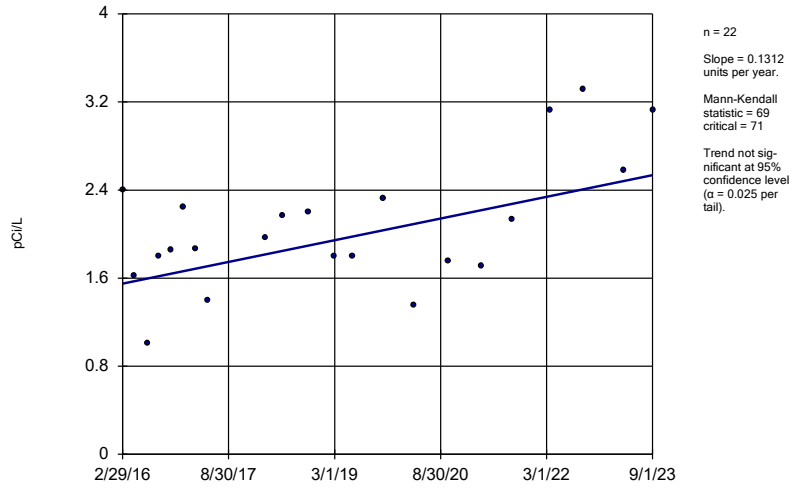
Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0.1312 units per year.

Mann-Kendall statistic = 69 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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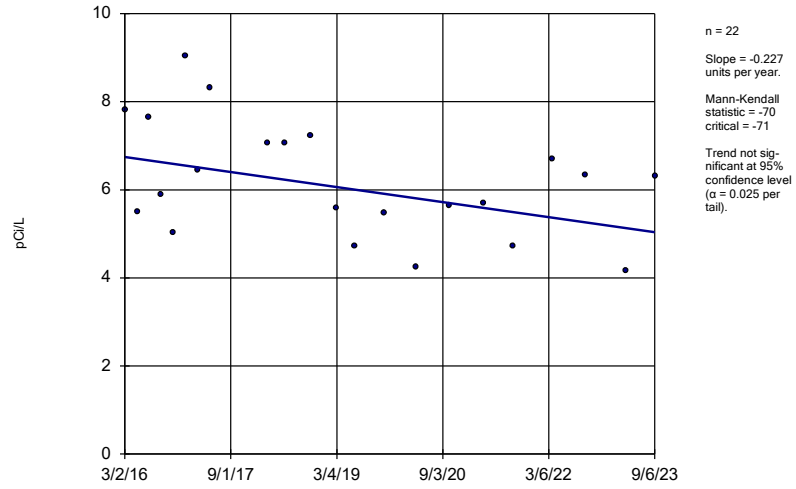
Sen's Slope Estimator

MW-110



n = 22

Slope = -0.227 units per year.

Mann-Kendall statistic = -70 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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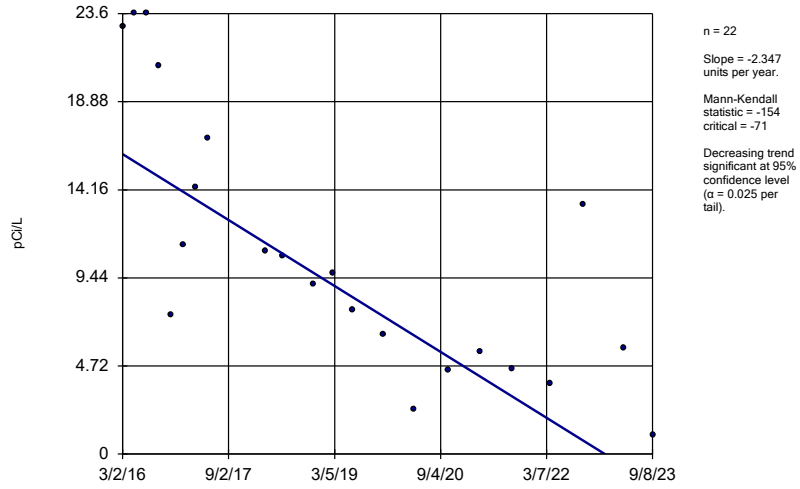
Sen's Slope Estimator

MW-200



n = 22

Slope = -2.347 units per year.

Mann-Kendall statistic = -154 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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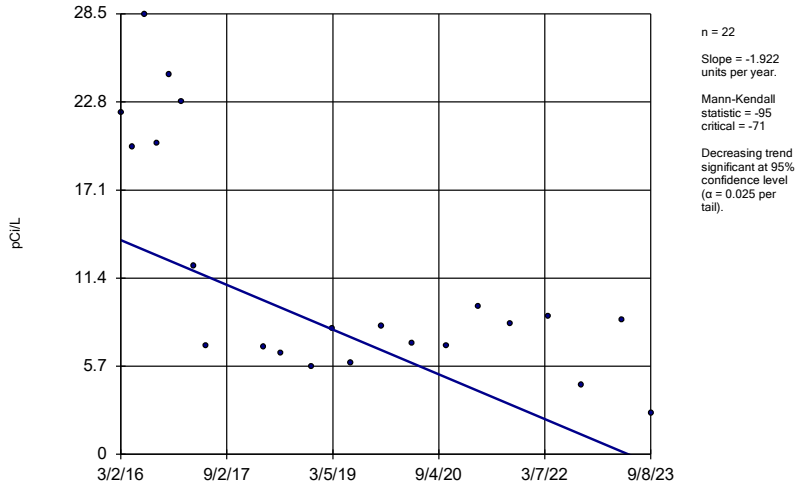
Sen's Slope Estimator

MW-201



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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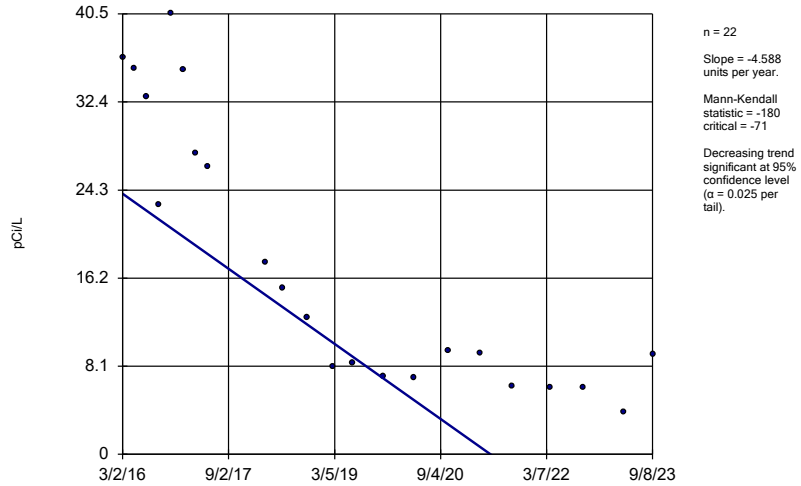
Sen's Slope Estimator

MW-206



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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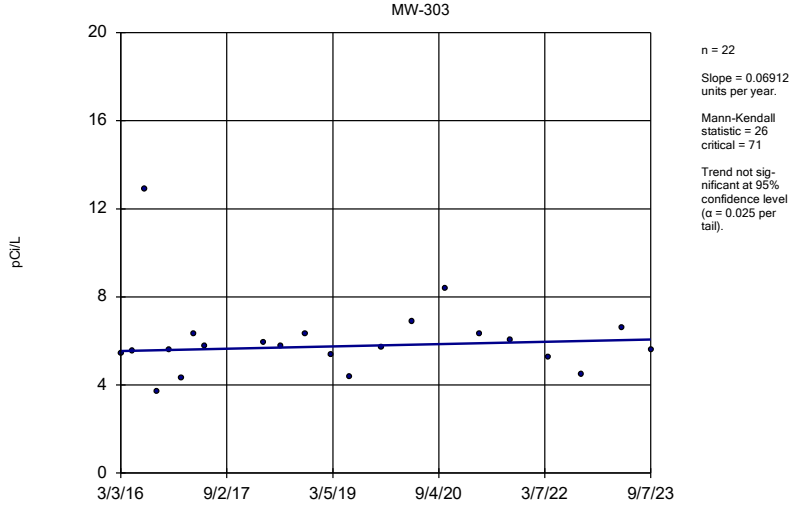
Sen's Slope Estimator

MW-303



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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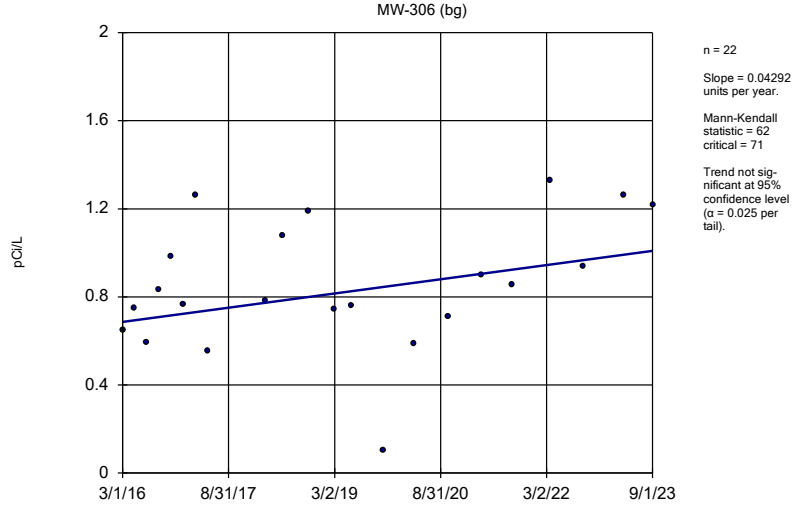
Sen's Slope Estimator

MW-306 (bg)



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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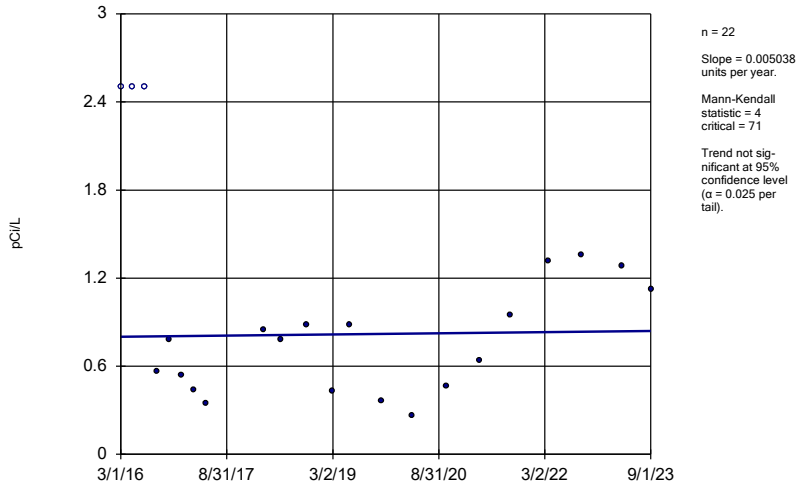
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0.005038 units per year.

Mann-Kendall statistic = 4
critical = 71

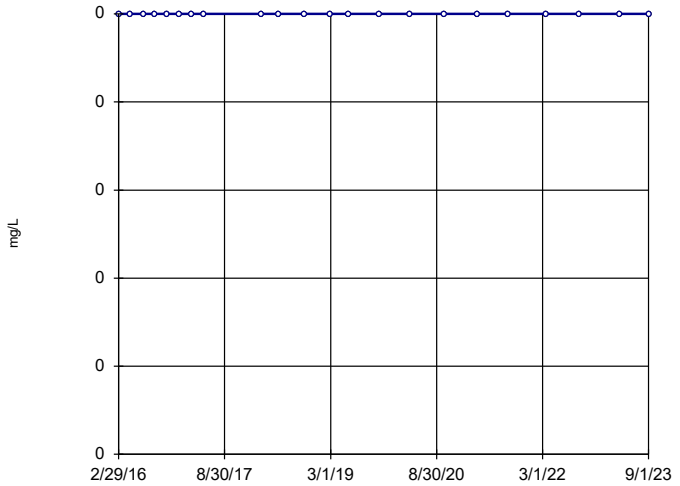
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Te
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.15 Software licensed to . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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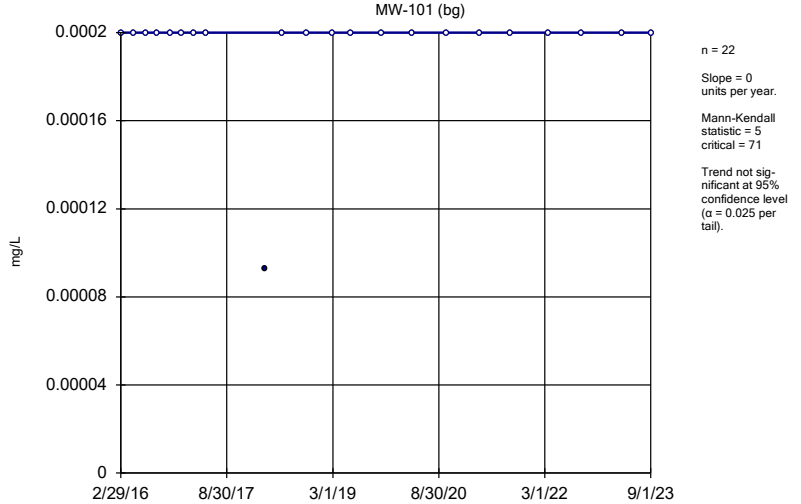
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 71

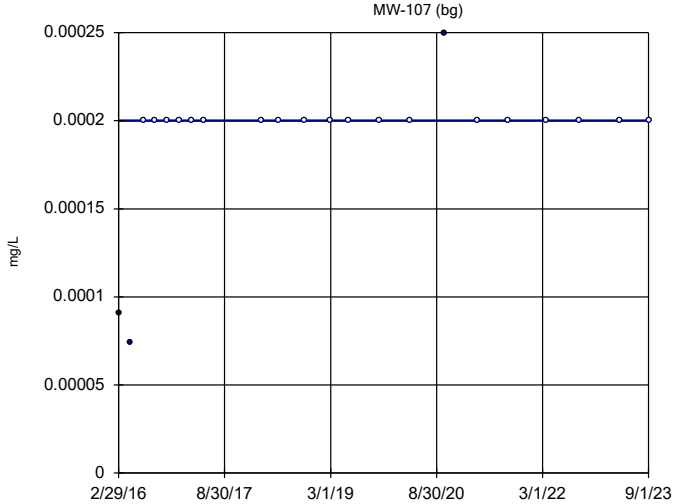
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.15 Software licensed to . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 46
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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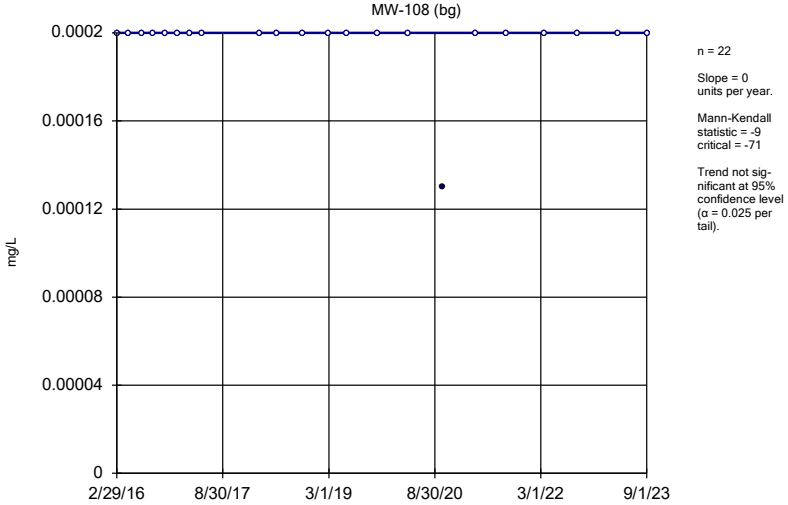
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -9
critical = -71

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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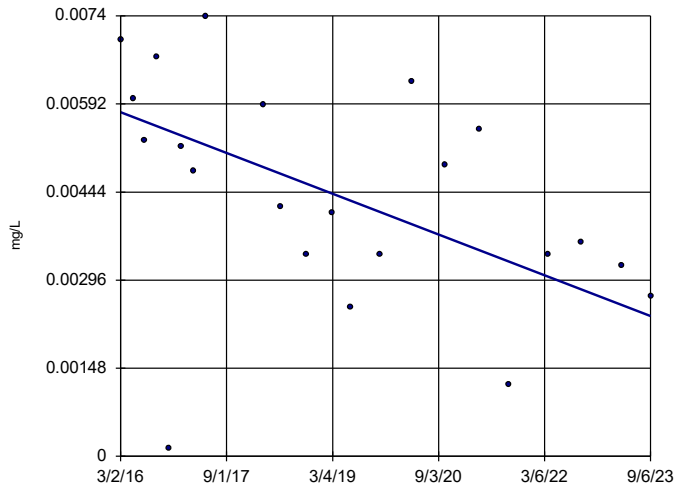
Sen's Slope Estimator

MW-110



n = 22

Slope = -0.0004557
units per year.

Mann-Kendall
statistic = -96
critical = -71

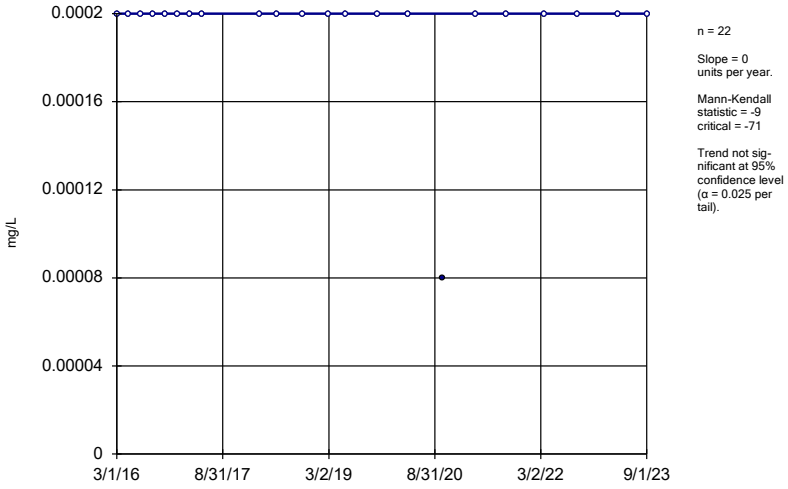
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.15 Software licensed to . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -9
critical = -71

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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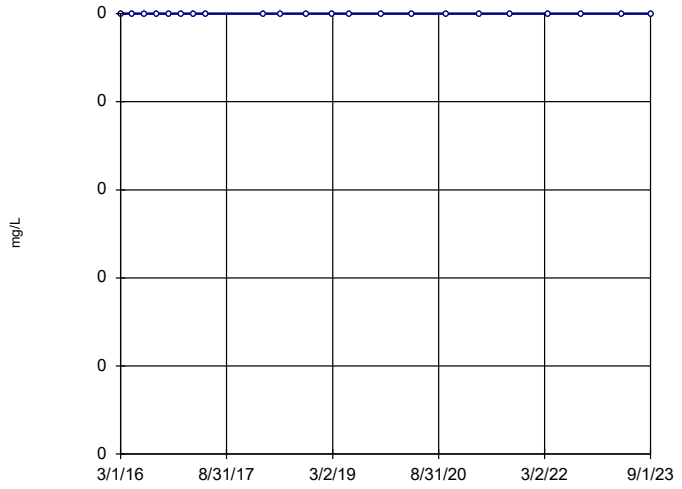
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 71

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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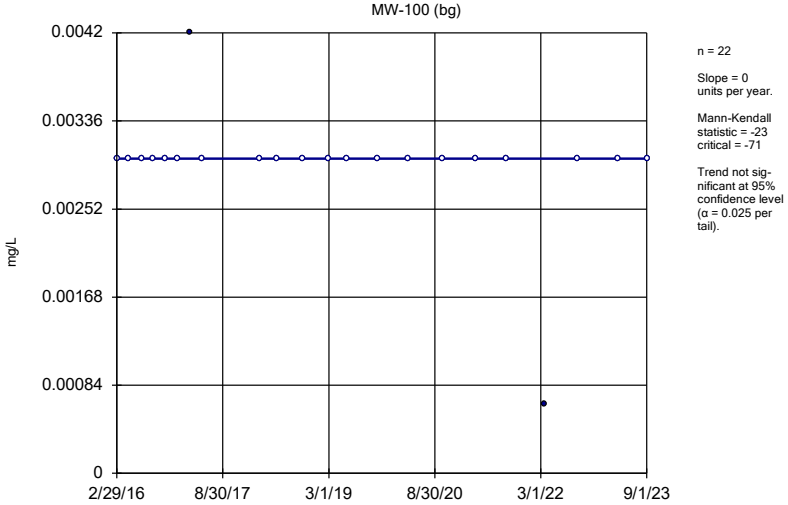
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -23 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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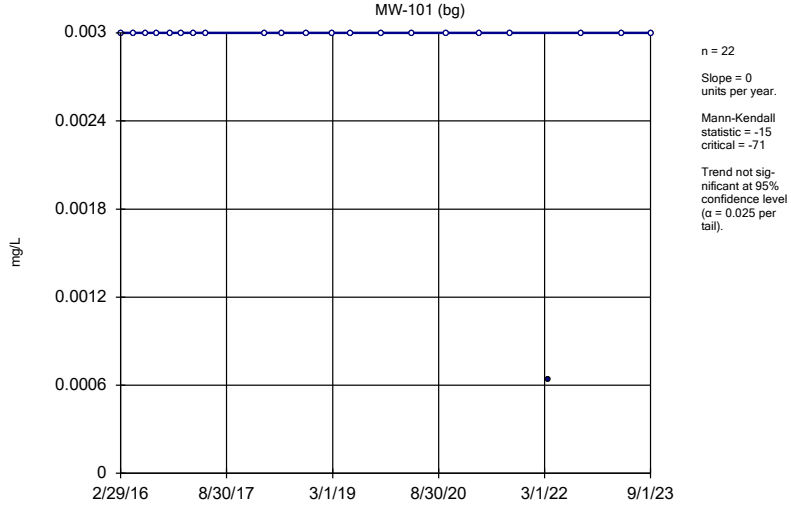
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -15 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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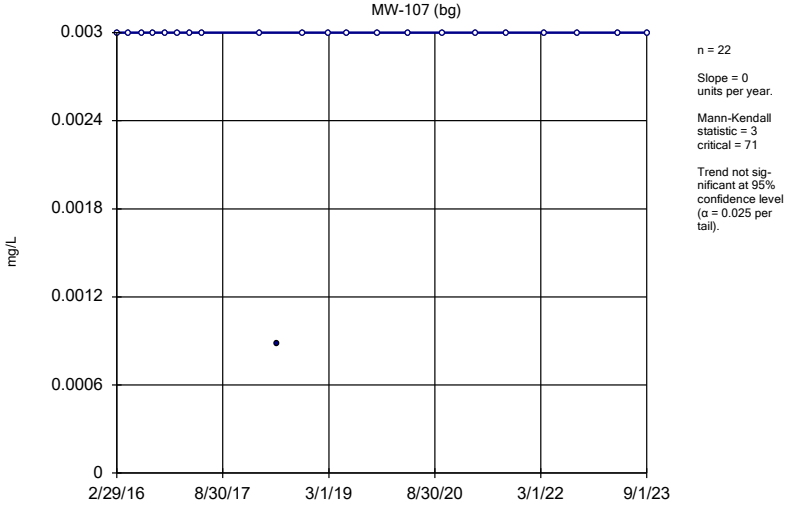
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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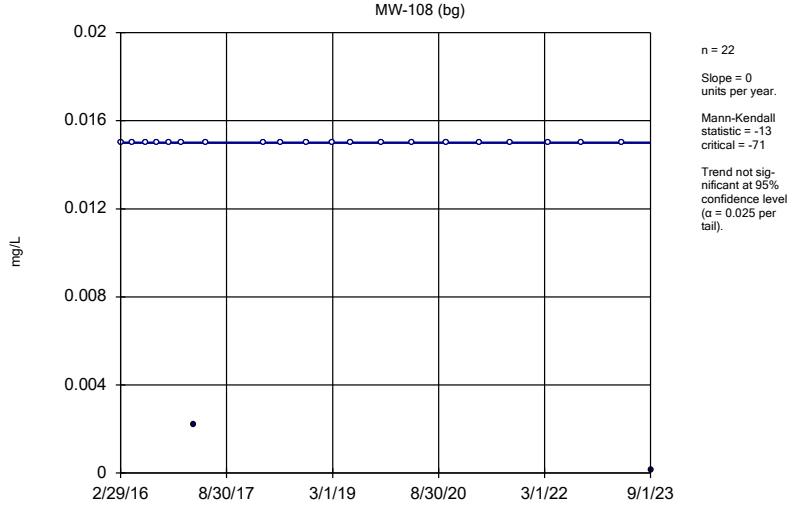
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -13 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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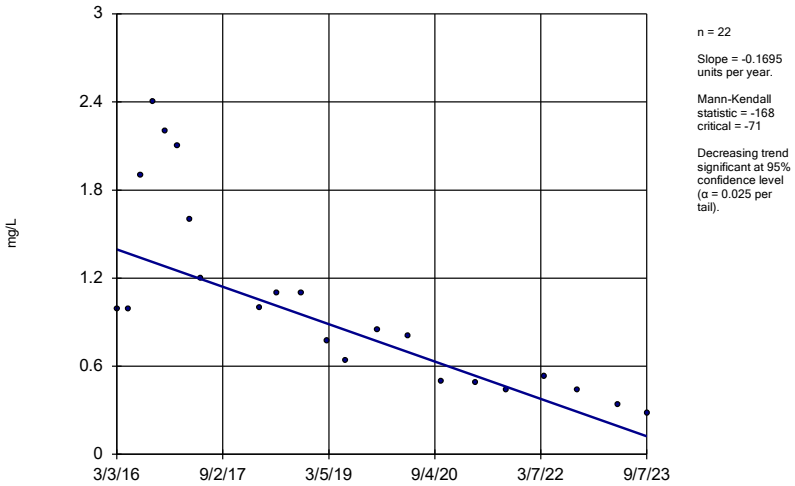
Sen's Slope Estimator

MW-303



n = 22

Slope = -0.1695 units per year.

Mann-Kendall statistic = -168 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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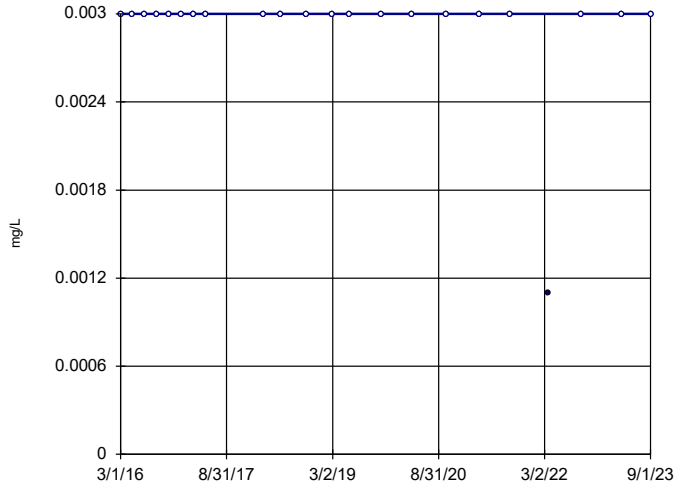
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -15 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests

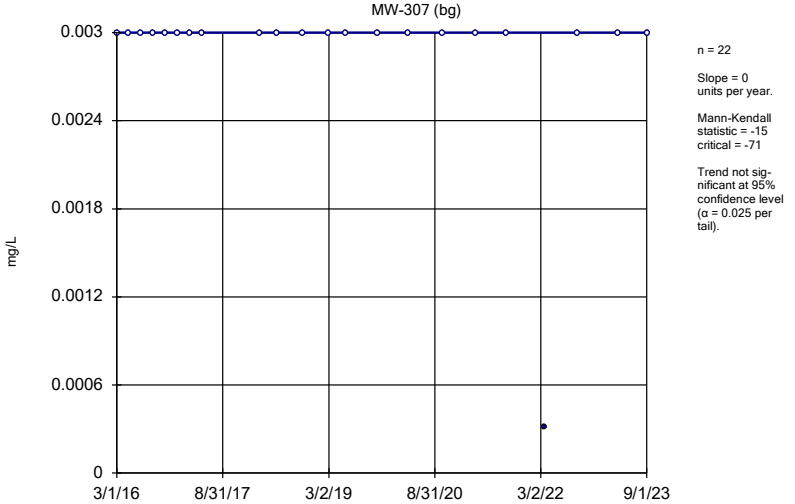
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.15 Software licensed to . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -15 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/14/2023 3:38 PM View: Appendix IV Trend Tests

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Intervals - 100, 200 & 300 Series

100 Series

Appendix IV - 100 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02189**	**0.01584**	**0.006**	**Yes**	**22**	**0.01886**	**0.005634**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-110**	**0.01508**	**0.007251**	**0.006**	**Yes**	**22**	**0.01116**	**0.00729**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**17.93**	**13.49**	**5**	**Yes**	**22**	**15.71**	**4.133**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.911**	**5.511**	**5**	**Yes**	**22**	**6.211**	**1.304**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.00559**	**0.00211**	**0.002**	**Yes**	**8**	**0.00385**	**0.001641**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	No	22	0.001264	0.0001706	95.45	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	No	22	0.00125	0.000341	86.36	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.006678	0.002846	0.01	No	22	0.004762	0.00357	4.545	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.0047	0.0036	0.01	No	22	0.004627	0.001656	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-109	0.0013	0.0011	0.01	No	22	0.001206	0.0002778	86.36	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00056	0.01	No	22	0.0009909	0.0004324	63.64	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.012	0.0089	2	No	22	0.01102	0.004475	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.05438	0.03653	2	No	22	0.04545	0.01664	0	None	No	0.01	Param.
Barium (mg/L)	MW-104	0.02624	0.02112	2	No	22	0.02368	0.004765	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04394	0.03324	2	No	22	0.03859	0.00997	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.01202	0.01017	2	No	22	0.01114	0.001793	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-109	0.02287	0.01849	2	No	22	0.02068	0.004075	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04248	0.03125	2	No	22	0.03686	0.01046	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	No	22	0.002391	0.0005095	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001151	0.0008047	0.004	No	22	0.0009777	0.0003223	13.64	None	No	0.01	Param.
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	No	22	0.002388	0.0005236	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	No	22	0.002282	0.0007042	90.91	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00052	0.005	No	22	0.0016	0.001011	54.55	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	No	22	0.00239	0.0005164	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	No	22	0.002292	0.0006731	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.0012	0.1	No	22	0.00253	0.0009937	81.82	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.003	0.0011	0.1	No	22	0.002665	0.00167	72.73	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.002085	0.001391	0.1	No	22	0.00215	0.0005152	31.82	Kaplan-Meier	x^2	0.01	Param.
Chromium (mg/L)	MW-105	0.002543	0.001855	0.1	No	22	0.002199	0.0006408	4.545	None	No	0.01	Param.
Chromium (mg/L)	MW-106	0.0044	0.0019	0.1	No	22	0.002559	0.0004306	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0061	0.0025	0.1	No	22	0.003277	0.002943	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	No	22	0.002269	0.0006315	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00088	0.006	No	22	0.002217	0.0007396	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00064	0.006	No	22	0.001846	0.0009927	68.18	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02189**	**0.01584**	**0.006**	**Yes**	**22**	**0.01886**	**0.005634**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	22	0.002223	0.0007217	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00055	0.006	No	22	0.00128	0.0009568	36.36	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.007455	0.00424	0.006	No	22	0.005848	0.002994	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-110**	**0.01508**	**0.007251**	**0.006**	**Yes**	**22**	**0.01116**	**0.00729**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-102	1.64	1.2	5	No	22	1.718	1.062	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-103	6.386	4.749	5	No	22	5.567	1.525	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**17.93**	**13.49**	**5**	**Yes**	**22**	**15.71**	**4.133**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	3.928	2.538	5	No	22	3.233	1.295	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.362	0.8524	5	No	22	1.107	0.4751	4.545	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	3.056	1.9	5	No	22	2.478	1.077	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**6.911**	**5.511**	**5**	**Yes**	**22**	**6.211**	**1.304**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-103	0.24	0.037	4	No	23	0.1033	0.03255	91.3	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3426	0.2415	4	No	24	0.2921	0.09908	4.167	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	23	0.08309	0.0268	69.57	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.05	4	No	23	0.09783	0.01043	95.65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	23	0.08039	0.0281	65.22	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	No	22	0.001196	0.0003355	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	No	22	0.001246	0.0002537	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002281	0.001856	0.015	No	22	0.002068	0.0003957	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	No	22	0.001229	0.0002612	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	No	22	0.001259	0.000194	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.0012	0.015	No	22	0.001158	0.0003673	81.82	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0013	0.0004	0.015	No	22	0.001082	0.0004122	77.27	None	No	0.01	NP (NDs)

Appendix IV - 100 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	No	22	0.004477	0.001349	86.36	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0017	0.04	No	22	0.003471	0.001671	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.0302	0.0193	0.04	No	22	0.02545	0.0112	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	No	22	0.00479	0.0009829	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.005	0.0035	0.04	No	22	0.004287	0.001756	72.73	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006457	0.004843	0.04	No	22	0.00565	0.001503	9.091	None	No	0.01	Param.
Lithium (mg/L)	MW-110	0.012	0.0074	0.04	No	22	0.01304	0.01786	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	22	0.0001904	0.00003119	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	No	22	0.0002136	0.00009266	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001132	0.0006377	0.002	No	22	0.0009255	0.0005117	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	22	0.0001945	0.00002558	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.00047	0.0002	0.002	No	22	0.0005385	0.0007101	59.09	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.00559**	**0.00211**	**0.002**	**Yes**	**8**	**0.00385**	**0.001641**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.00091	0.1	No	22	0.01436	0.003004	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.00092	0.1	No	22	0.01436	0.003002	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005607	0.003548	0.1	No	22	0.004577	0.001918	4.545	None	No	0.01	Param.
Molybdenum (mg/L)	MW-106	0.015	0.00068	0.1	No	22	0.01435	0.003053	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.0009	0.1	No	22	0.01436	0.003006	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0016	0.0011	0.05	No	22	0.001241	0.0008208	63.64	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.002685	0.001743	0.05	No	22	0.002214	0.0008781	4.545	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01242	0.006358	0.05	No	22	0.009386	0.005643	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.00041	0.05	No	22	0.000955	0.0004579	54.55	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.0016	0.0012	0.05	No	22	0.001309	0.00006838	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0015	0.00035	0.05	No	22	0.0012	0.0004108	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.0038	0.0032	0.05	No	22	0.003614	0.0008385	0	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	No	22	0.0004868	0.00006183	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	No	22	0.0004625	0.0001227	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.000343	0.0002506	0.002	No	22	0.0002968	0.00008604	13.64	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	No	22	0.0004709	0.00009596	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	No	22	0.0004827	0.00008102	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002694	0.0002165	0.002	No	22	0.0003068	0.0001028	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.

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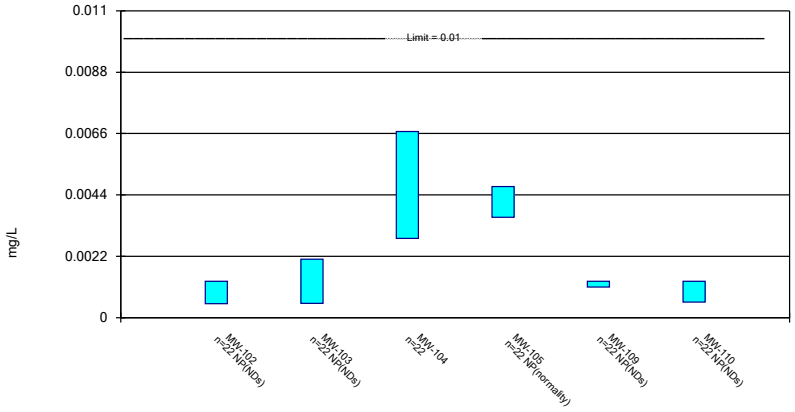
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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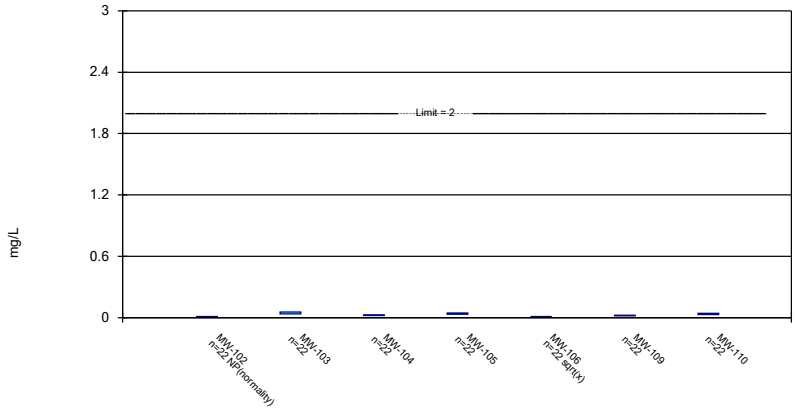
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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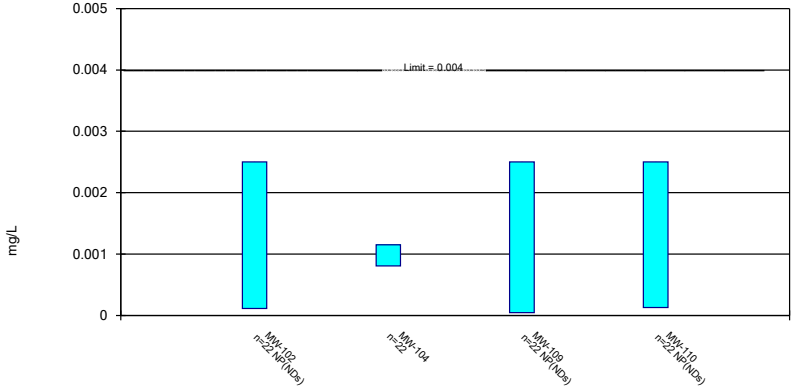
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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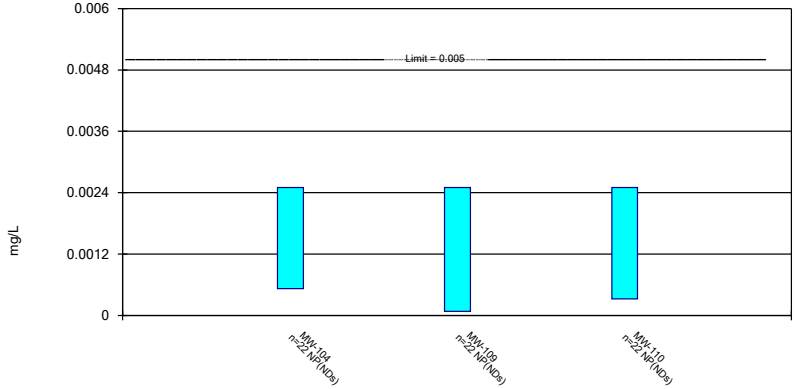
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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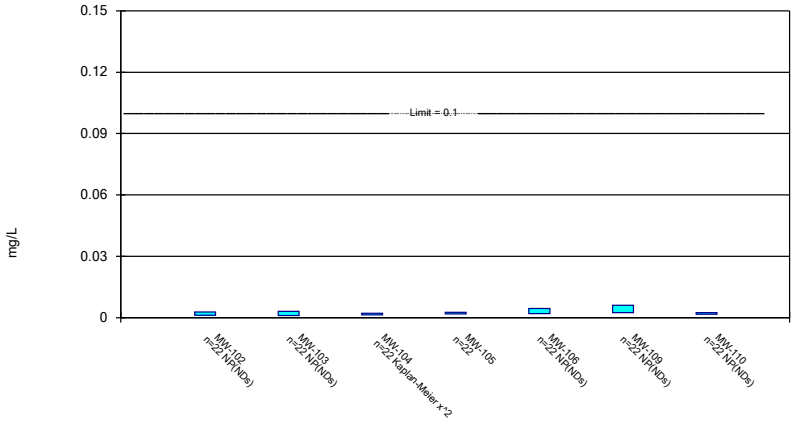
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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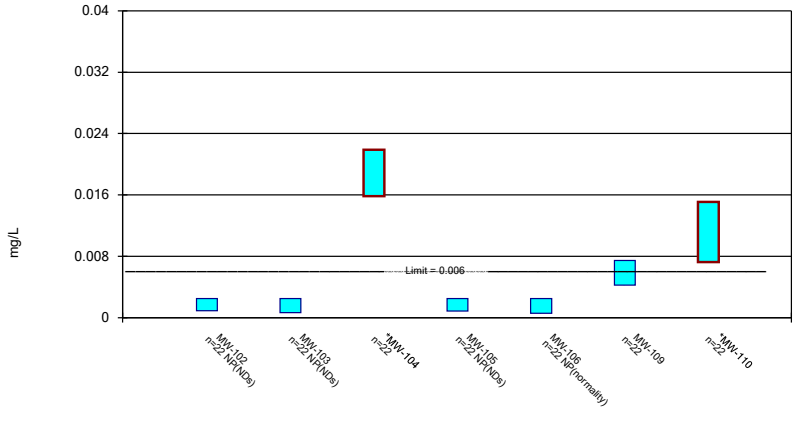
Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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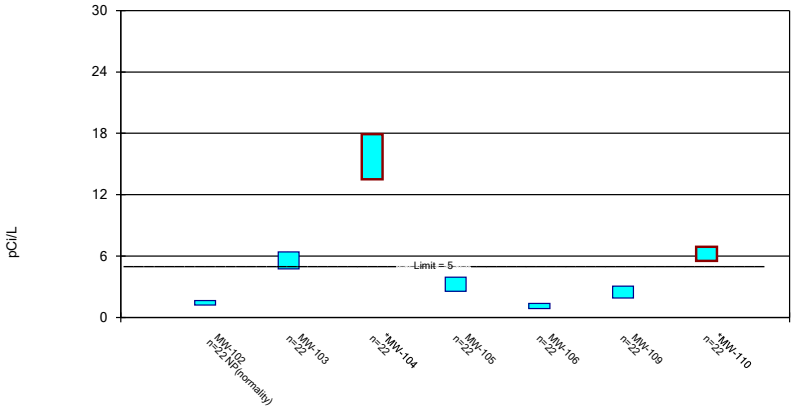
Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confiden
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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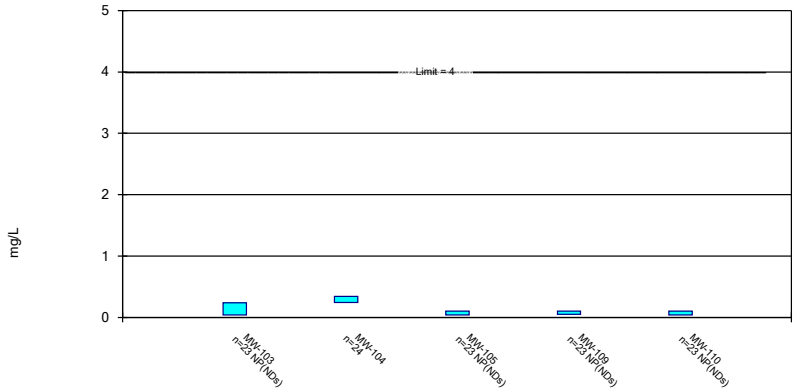
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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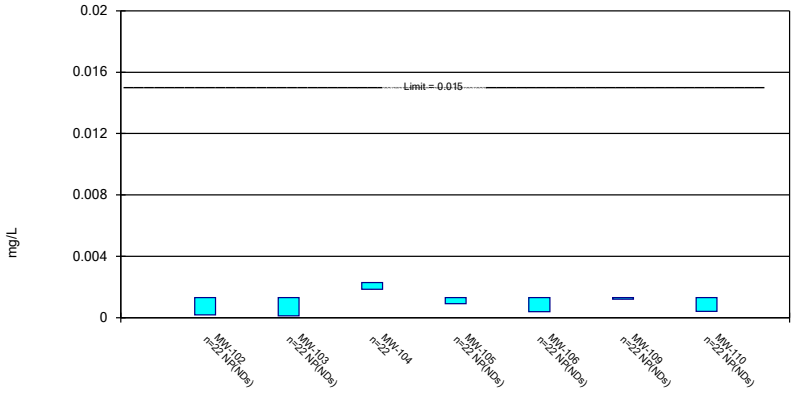
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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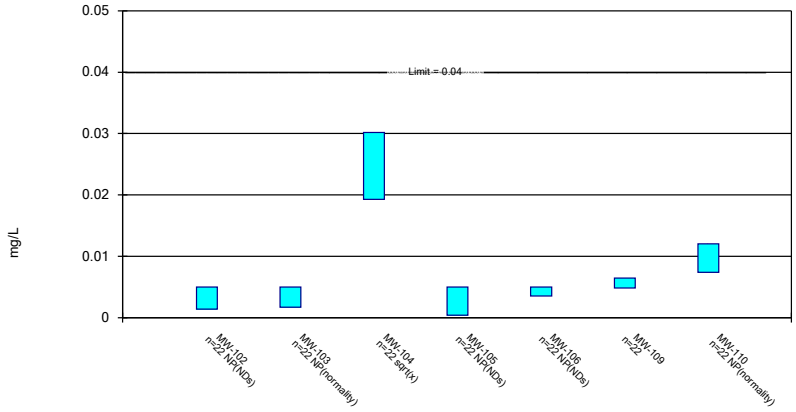
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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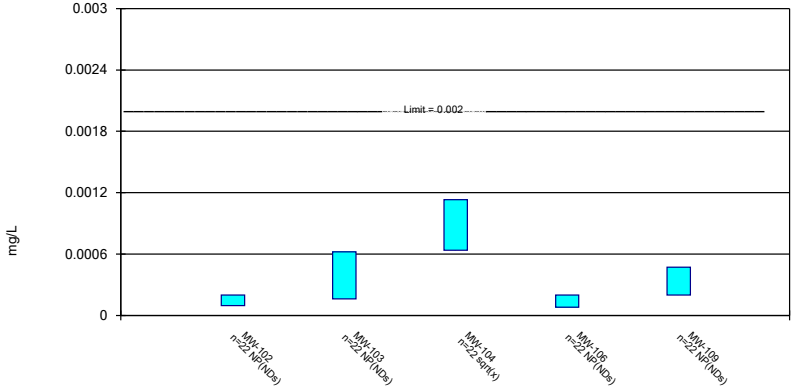
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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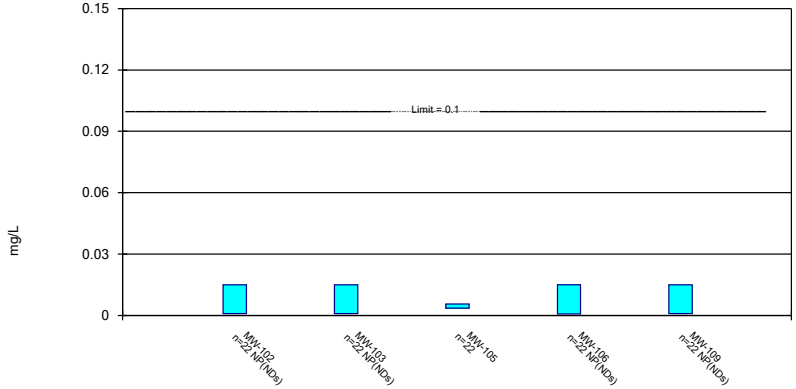
Parametric and Non-Parametric (NP) Confidence Interval

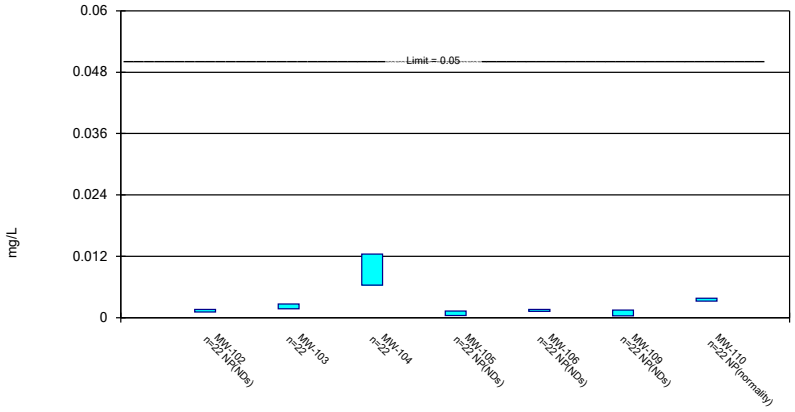
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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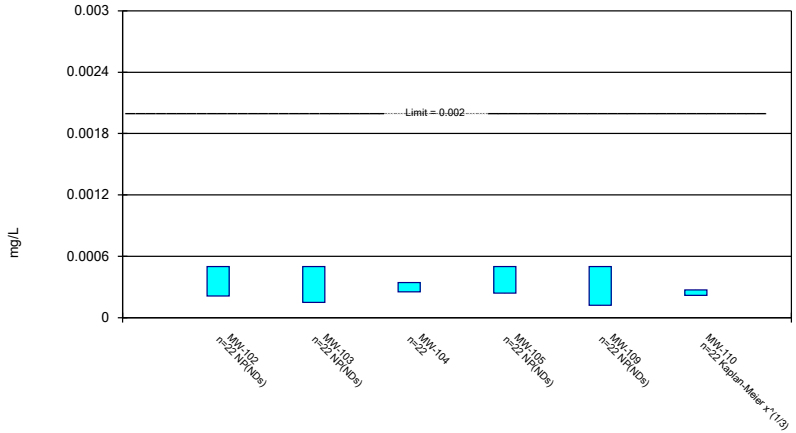
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 12/14/2023 3:46 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	<0.0013	<0.0013	0.0085	0.0039 (J)		
3/2/2016					<0.0013	<0.0013
5/5/2016	<0.0013	<0.0013	0.0077	0.0039	<0.0013	0.00061 (J)
7/7/2016	<0.0013	<0.0013	0.0082	0.0037	<0.0013	<0.0013
9/6/2016	<0.0013					
9/7/2016		<0.0013	0.012	0.0032	<0.0013	<0.0013
11/9/2016			0.0071	0.0038		
11/10/2016	0.0005 (J)	0.00051 (J)			<0.0013	0.00047 (J)
1/11/2017			0.0071	0.0035		
1/12/2017	<0.0013	<0.0013			<0.0013	<0.0013
3/14/2017			0.0067	0.0036	<0.0013	
3/15/2017	<0.0013	<0.0013				<0.0013
5/18/2017	<0.0013	<0.0013	0.0087	0.0036	<0.0013	0.00051 (J)
3/14/2018	<0.0013	<0.0013	0.0027	0.0039	<0.0013	0.00056 (J)
6/10/2018			0.0047	0.0034		
6/11/2018	<0.0013	<0.0013			<0.0013	0.0005 (J)
10/18/2018		<0.0013	0.0019	0.0044	<0.0013	<0.0013
10/19/2018	<0.0013					
3/1/2019			<0.0013	0.0047	<0.0013	<0.0013
3/2/2019	<0.0013	<0.0013				
6/3/2019	<0.0013		0.003	0.0045	<0.0013	<0.0013
6/11/2019		<0.0013				
11/7/2019		0.00019 (J)	8.9E-05 (J)		0.00025 (V)	0.0002 (J)
11/9/2019	<0.0013			0.0045		
4/17/2020		<0.0013			<0.0013	0.00012 (J)
4/18/2020	<0.0013		0.0014	0.0054		
10/8/2020	<0.0013	0.0021	0.0019	0.0046		
10/9/2020					<0.0013	<0.0013
3/30/2021	<0.0013	<0.0013		0.0082		
3/31/2021			0.00048		0.0011	<0.0013
9/3/2021			0.00084 (J)	0.0096	0.00048 (J)	0.00063 (J)
9/7/2021	<0.0013	<0.0013				
3/23/2022	<0.0013		0.0018	0.0073	<0.0013	<0.0013
3/24/2022		<0.0013				
9/8/2022					<0.0013	
9/9/2022	<0.0013	<0.0013	0.01	0.0048		<0.0013
4/7/2023			0.0065	0.004		
4/10/2023	<0.0013	<0.0013			<0.0013	<0.0013
9/6/2023		<0.0013	0.0028		<0.0013	<0.0013
9/7/2023	<0.0013			0.0033		
Mean	0.001264	0.00125	0.004762	0.004627	0.001206	0.0009909
Std. Dev.	0.0001706	0.000341	0.00357	0.001656	0.0002778	0.0004324
Upper Lim.	0.0013	0.0021	0.006678	0.0047	0.0013	0.0013
Lower Lim.	0.0005	0.00051	0.002846	0.0036	0.0011	0.00056

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	0.0081 (J)	0.055	0.017	0.043	0.016		
3/2/2016						0.022	0.058
5/4/2016					0.012		
5/5/2016	0.011	0.056	0.018	0.033		0.02	0.05
7/7/2016	0.012	0.055	0.02	0.042		0.021	0.044
7/8/2016					0.015		
9/6/2016	0.012						
9/7/2016		0.07	0.027	0.043	0.012	0.023	0.051
11/9/2016			0.022	0.046	0.01		
11/10/2016	0.0099	0.061				0.019	0.046
1/11/2017			0.03	0.042	0.01		
1/12/2017	0.0085	0.058				0.018	0.047
3/14/2017			0.02	0.038	0.0097	0.02	
3/15/2017	0.009	0.07					0.046
5/18/2017	0.0095	0.068	0.027	0.051	0.01	0.019	0.045
3/14/2018	0.0084	0.052	0.025	0.038	0.0096	0.017	0.036
6/10/2018			0.025	0.055	0.0089		
6/11/2018	0.0089	0.053				0.016	0.036
10/18/2018		0.052	0.021	0.035	0.0096	0.019	0.035
10/19/2018	0.0085						
3/1/2019			0.018	0.032	0.0095	0.018	0.036
3/2/2019	0.01	0.011					
6/3/2019	0.012		0.031	0.05	0.0098	0.017	0.04
6/11/2019		0.043					
11/7/2019		0.04	0.02			0.019	0.027
11/9/2019	0.011			0.06	0.011		
4/17/2020		0.05			0.012	0.026	0.032
4/18/2020	0.012		0.021	0.045			
10/8/2020	0.0086	0.037	0.022	0.028	0.0099		
10/9/2020						0.026	0.026
3/30/2021	0.0096	0.033		0.028	0.011		
3/31/2021			0.023			0.027	0.025
9/3/2021			0.02	0.029	0.011	0.032	0.036
9/7/2021	0.0095	0.03					
3/23/2022	0.013		0.03	0.027	0.012	0.02	0.024
3/24/2022		0.027					
9/8/2022					0.012	0.017	
9/9/2022	0.03	0.018	0.035	0.024			0.023
4/7/2023			0.026	0.033	0.011		
4/10/2023	0.011	0.033				0.016	0.022
9/6/2023		0.028	0.023			0.023	0.026
9/7/2023	0.01			0.027	0.013		
Mean	0.01102	0.04545	0.02368	0.03859	0.01114	0.02068	0.03686
Std. Dev.	0.004475	0.01664	0.004765	0.00997	0.001793	0.004075	0.01046
Upper Lim.	0.012	0.05438	0.02624	0.04394	0.01202	0.02287	0.04248
Lower Lim.	0.0089	0.03653	0.02112	0.03324	0.01017	0.01849	0.03125

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-104	MW-109	MW-110
3/1/2016	<0.0025	0.0013 (J)		
3/2/2016			<0.0025	<0.0025
5/5/2016	<0.0025	0.00088 (J)	<0.0025	<0.0025
7/7/2016	<0.0025	0.001 (J)	<0.0025	<0.0025
9/6/2016	<0.0025			
9/7/2016		0.00078 (J)	<0.0025	<0.0025
11/9/2016		0.0012 (J)		
11/10/2016	<0.0025		<0.0025	<0.0025
1/11/2017		0.0014 (J)		
1/12/2017	<0.0025		<0.0025	<0.0025
3/14/2017		0.0013 (J)	<0.0025	
3/15/2017	<0.0025			<0.0025
5/18/2017	<0.0025	0.0016 (J)	<0.0025	<0.0025
3/14/2018	<0.0025	0.0011 (J)	<0.0025	<0.0025
6/10/2018		0.0011 (J)		
6/11/2018	<0.0025		<0.0025	<0.0025
10/18/2018		0.00084 (J)	<0.0025	<0.0025
10/19/2018	<0.0025			
3/1/2019		0.00057 (J)	<0.0025	<0.0025
3/2/2019	<0.0025			
6/3/2019	<0.0025	0.00074 (J)	<0.0025	<0.0025
11/7/2019		0.00065	<0.0025	8.4E-05 (J)
11/9/2019	<0.0025			
4/17/2020			4.4E-05 (J)	0.00013 (J)
4/18/2020	0.00011 (J)	0.00096		
10/8/2020	<0.0025	0.00039 (J)		
10/9/2020			<0.0025	<0.0025
3/30/2021	<0.0025			
3/31/2021		0.0007	<0.0025	<0.0025
9/3/2021		0.00076 (J)	<0.0025	<0.0025
9/7/2021	<0.0025			
3/23/2022	<0.0025	<0.0025	<0.0025	<0.0025
9/8/2022			<0.0025	
9/9/2022	<0.0025	<0.0025		<0.0025
4/7/2023		<0.0025		
4/10/2023	<0.0025		<0.0025	<0.0025
9/6/2023		0.00049 (J)	<0.0025	<0.0025
9/7/2023	<0.0025			
Mean	0.002391	0.0009777	0.002388	0.002282
Std. Dev.	0.0005095	0.0003223	0.0005236	0.0007042
Upper Lim.	0.0025	0.001151	0.0025	0.0025
Lower Lim.	0.00011	0.0008047	4.4E-05	0.00013

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

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-104	MW-109	MW-110
3/1/2016	<0.0025		
3/2/2016		<0.0025	<0.0025
5/5/2016	<0.0025	<0.0025	<0.0025
7/7/2016	<0.0025	<0.0025	<0.0025
9/7/2016	<0.0025	<0.0025	<0.0025
11/9/2016	<0.0025		
11/10/2016		<0.0025	<0.0025
1/11/2017	0.00049 (J)		
1/12/2017		<0.0025	<0.0025
3/14/2017	<0.0025	<0.0025	
3/15/2017			<0.0025
5/18/2017	<0.0025	<0.0025	<0.0025
3/14/2018	0.00052 (J)	<0.0025	<0.0025
6/10/2018	0.00049 (J)		
6/11/2018		<0.0025	<0.0025
10/18/2018	0.00044 (J)	<0.0025	<0.0025
3/1/2019	0.00038 (J)	<0.0025	<0.0025
6/3/2019	0.0006 (J)	<0.0025	<0.0025
11/7/2019	0.00075	7.8E-05 (J)	0.00032 (J)
4/17/2020		<0.0025	0.00011 (J)
4/18/2020	0.00037 (J)		
10/8/2020	<0.0025		
10/9/2020		<0.0025	<0.0025
3/31/2021	0.00056	<0.0025	<0.0025
9/3/2021	0.00061 (J)	<0.0025	<0.0025
3/23/2022	<0.0025	<0.0025	<0.0025
9/8/2022		<0.0025	
9/9/2022	<0.0025		<0.0025
4/7/2023	<0.0025		
4/10/2023		<0.0025	<0.0025
9/6/2023	<0.0025	<0.0025	<0.0025
Mean	0.0016	0.00239	0.002292
Std. Dev.	0.001011	0.0005164	0.0006731
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	0.00052	7.8E-05	0.00032

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0025	<0.0025	<0.0025	0.0023 (J)	<0.0025		
3/2/2016						<0.0025	<0.0025
5/4/2016					<0.0025		
5/5/2016	<0.0025	<0.0025	0.0014 (J)	<0.0025		<0.0025	<0.0025
7/7/2016	<0.0025	<0.0025	0.0014 (J)	0.002 (J)		<0.0025	<0.0025
7/8/2016					<0.0025		
9/6/2016	<0.0025						
9/7/2016		<0.0025	0.0019 (J)	0.0029	<0.0025	<0.0025	<0.0025
11/9/2016			0.0023 (J)	0.0025	<0.0025		
11/10/2016	<0.0025	<0.0025				<0.0025	<0.0025
1/11/2017			0.0024 (J)	0.002 (J)	<0.0025		
1/12/2017	<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017			0.0023 (J)	0.0025	<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025					<0.0025
5/18/2017	<0.0025	<0.0025	0.0023 (J)	0.002 (J)	<0.0025	<0.0025	<0.0025
3/14/2018	<0.0025	<0.0025	0.0023 (J)	0.0022 (J)	<0.0025	<0.0025	<0.0025
6/10/2018			0.0022 (J)	0.002 (J)	<0.0025		
6/11/2018	<0.0025	<0.0025				<0.0025	<0.0025
10/18/2018		<0.0025	0.0016 (J)	0.0029	<0.0025	<0.0025	<0.0025
10/19/2018	<0.0025						
3/1/2019			<0.0025	0.0026	<0.0025	<0.0025	<0.0025
3/2/2019	0.0028	0.0052					
6/3/2019	<0.0025		0.0015 (J)	0.0022 (J)	<0.0025	<0.0025	<0.0025
6/11/2019		0.0011 (J)					
11/7/2019		0.00028 (J)	<0.0025			<0.0025	0.00042 (J)
11/9/2019	0.00037 (J)			0.0022 (J)	<0.0025		
4/17/2020		0.00026 (J)			<0.0025	<0.0025	0.0004 (J)
4/18/2020	<0.0025		0.0016	0.0029			
10/8/2020	<0.0025	<0.0025	0.0031	0.0028	0.0019 (J)		
10/9/2020						<0.0025	0.0016 (J)
3/30/2021	<0.0025	<0.0025		0.0015	<0.0025		
3/31/2021			<0.0025			0.016	<0.0025
9/3/2021			0.0025	0.0011 (J)	<0.0025	<0.0025	<0.0025
9/7/2021	0.0012 (J)	0.0088					
3/23/2022	0.0063		0.001 (J)	0.00073	0.0044	0.0061	0.0025
3/24/2022		0.003					
9/8/2022					<0.0025	<0.0025	
9/9/2022	<0.0025	<0.0025	<0.0025	0.002 (J)			<0.0025
4/7/2023			<0.0025	0.0024 (J)	<0.0025		
4/10/2023	<0.0025	<0.0025				<0.0025	<0.0025
9/6/2023		<0.0025	<0.0025			<0.0025	<0.0025
9/7/2023	<0.0025			0.0034	<0.0025		
Mean	0.00253	0.002665	0.00215	0.002199	0.002559	0.003277	0.002269
Std. Dev.	0.0009937	0.00167	0.0005152	0.0006408	0.0004306	0.002943	0.0006315
Upper Lim.	0.0028	0.003	0.002085	0.002543	0.0044	0.0061	0.0025
Lower Lim.	0.0012	0.0011	0.001391	0.001855	0.0019	0.0025	0.0016

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)		
3/2/2016						0.00075 (J)	0.0047 (J)
5/4/2016					0.001 (J)		
5/5/2016	<0.0025	0.00064 (J)	0.012	<0.0025		0.0042	0.0047
7/7/2016	<0.0025	<0.0025	0.012	<0.0025		0.0043	0.0041
7/8/2016					0.00057 (J)		
9/6/2016	<0.0025						
9/7/2016		0.00044 (J)	0.018	<0.0025	0.00061 (J)	0.0049	0.0047
11/9/2016			0.022	<0.0025	0.00055 (J)		
11/10/2016	<0.0025	<0.0025				0.004	0.0043
1/11/2017			0.025	<0.0025	0.00045 (J)		
1/12/2017	<0.0025	<0.0025				0.0045	0.0048
3/14/2017			0.019	<0.0025	0.00059 (J)	0.0039	
3/15/2017	<0.0025	<0.0025					0.0066
5/18/2017	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)	0.005	0.0065
3/14/2018	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)	0.0038	0.012
6/10/2018			0.029	<0.0025	0.0004 (J)		
6/11/2018	<0.0025	<0.0025				0.0044	0.0096
10/18/2018		<0.0025	0.016	<0.0025	<0.0025	0.0036	0.025
10/19/2018	<0.0025						
3/1/2019			0.009	<0.0025	<0.0025	0.0052	0.02
3/2/2019	<0.0025	0.00041 (J)					
6/3/2019	<0.0025		0.015	<0.0025	<0.0025	0.0071	0.0053
6/11/2019		<0.0025					
11/7/2019		0.00015 (J)	0.022			0.0085	0.019
11/9/2019	0.00016 (J)			0.00087 (J)	0.00036 (J)		
4/17/2020		0.00021 (J)			0.00036 (J)	0.0089	0.013
4/18/2020	0.00023 (J)		0.013	0.00037 (J)			
10/8/2020	<0.0025	<0.0025	0.017	<0.0025	<0.0025		
10/9/2020						0.0072	0.015
3/30/2021	<0.0025	<0.0025		<0.0025	<0.0025		
3/31/2021			0.018			0.0023	0.0091
9/3/2021			0.018	<0.0025	<0.0025	0.015	0.0032
9/7/2021	<0.0025	<0.0025					
3/23/2022	0.00088		0.023	0.00017 (J)	0.00099	0.0094	0.013
3/24/2022		0.00026 (J)					
9/8/2022					<0.0025	0.0077	
9/9/2022	<0.0025	<0.0025	0.032	<0.0025			0.019
4/7/2023			0.023	<0.0025	0.00056 (J)		
4/10/2023	<0.0025	<0.0025				0.007	0.014
9/6/2023		<0.0025	0.018			0.007	0.028
9/7/2023	<0.0025			<0.0025	<0.0025		
Mean	0.002217	0.001846	0.01886	0.002223	0.00128	0.005848	0.01116
Std. Dev.	0.0007396	0.0009927	0.005634	0.0007217	0.0009568	0.002994	0.00729
Upper Lim.	0.0025	0.0025	0.02189	0.0025	0.0025	0.007455	0.01508
Lower Lim.	0.00088	0.00064	0.01584	0.00087	0.00055	0.00424	0.007251

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

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	0.996	5.24	11.8	4.21	0.872		
3/2/2016						2.39	7.8
5/4/2016					<5		
5/5/2016	2.82	4.13	9.43	2.24		1.54	5.51
7/7/2016	1.58	7.01	13.8	3.28		2.17	7.65
7/8/2016					1.02		
9/6/2016	1.46						
9/7/2016		7.94	13.7	2.83	0.826	2.24	5.9
11/9/2016			16.9	4.28	1.17		
11/10/2016	1.92	7				2.69	5.04
1/11/2017			24.9	4.62	0.924		
1/12/2017	1.48	7.87				1.81	9.04
3/14/2017			15.5	2.28	0.889	1.74	
3/15/2017	1.41	7.1					6.46
5/18/2017	1.23	7.26	19.8	3	0.338	1.7	8.31
3/14/2018	1.64	7.02	13.1	2.82	0.789	1.99	7.06
6/10/2018			19.1	6.2	0.852		
6/11/2018	1.51	5.54				1.59	7.06
10/18/2018		5.59	12.1	2.89	1.05	1.77	7.22
10/19/2018	1						
3/1/2019			10.4	2.89	1.01	1.51	5.59
3/2/2019	1.5	1.69					
6/3/2019	2.67		19.1	4.84	1.33	0.42 (U)	4.73
6/11/2019		5.8					
11/7/2019		4.83	20.8			3.07	5.46
11/9/2019	1.31			6.06	0.663		
4/17/2020		5.33			0.604	2.45	4.26
4/18/2020	0.931		13.8	2.03			
10/8/2020	1.08	5.59	13.6	2.03	1.49		
10/9/2020						4	5.63
3/30/2021	1.46	5.05		3.57	1.8		
3/31/2021			21			3.92	5.69
9/3/2021			15.1	1.87	0.866	5.26	4.72
9/7/2021	1.47	4.59					
3/23/2022	2.18		16.5	1.79	1.17	3.57	6.71
3/24/2022		4.52					
9/8/2022					1.49	2.78	
9/9/2022	5.92	3.16	21.2	2.04			6.33
4/7/2023			13	3.09	0.94		
4/10/2023	1.03	5.3				2.34	4.17
9/6/2023		4.92	11			3.57	6.31
9/7/2023	1.2			2.26	1.77		
Mean	1.718	5.567	15.71	3.233	1.107	2.478	6.211
Std. Dev.	1.062	1.525	4.133	1.295	0.4751	1.077	1.304
Upper Lim.	1.64	6.386	17.93	3.928	1.362	3.056	6.911
Lower Lim.	1.2	4.749	13.49	2.538	0.8524	1.9	5.511

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

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	0.037 (J)	0.46	0.041 (J)		
3/2/2016				<0.1	0.039 (J)
5/5/2016	<0.1	0.27	<0.1	<0.1	<0.1
7/7/2016	<0.1	0.29	<0.1	<0.1	<0.1
9/7/2016	<0.1	0.33	<0.1	<0.1	<0.1
11/9/2016		0.29	<0.1		
11/10/2016	<0.1			<0.1	<0.1
1/11/2017		0.42	<0.1		
1/12/2017	<0.1			<0.1	<0.1
3/14/2017		0.34	<0.1	<0.1	
3/15/2017	<0.1				<0.1
5/18/2017	<0.1	0.47	<0.1	<0.1	<0.1
10/5/2017		0.22	<0.1	<0.1	
10/6/2017	<0.1				<0.1
12/19/2017		0.26 (R)			
3/14/2018	<0.1	0.3	<0.1	<0.1	<0.1
6/10/2018		0.38	<0.1		
6/11/2018	<0.1			<0.1	0.04 (J)
10/18/2018	<0.1	0.26	0.04 (J)	<0.1	0.04 (J)
3/1/2019		0.1	<0.1	<0.1	<0.1
3/2/2019	<0.1				
6/3/2019		0.22	0.04 (J)	<0.1	0.04 (J)
6/11/2019	<0.1				
11/7/2019	<0.1	0.21		<0.1	0.04 (J)
11/9/2019			<0.1		
4/17/2020	<0.1			<0.1	0.04 (J)
4/18/2020		0.3	0.04 (J)		
10/8/2020	0.24	0.26	0.04 (J)		
10/9/2020				<0.1	<0.1
3/30/2021	<0.1		0.04		
3/31/2021		0.34		<0.1	0.04
9/3/2021		0.41	0.07 (J)	0.05 (J)	0.07 (J)
9/7/2021	<0.1				
3/23/2022		0.3	<0.1	<0.1	<0.1
3/24/2022	<0.1				
9/8/2022				<0.1	
9/9/2022	<0.1	<0.1	<0.1		<0.1
4/7/2023		0.31	<0.1		
4/10/2023	<0.1			<0.1	<0.1
9/6/2023	<0.1	0.22		<0.1	<0.1
9/7/2023			<0.1		
Mean	0.1033	0.2921	0.08309	0.09783	0.08039
Std. Dev.	0.03255	0.09908	0.0268	0.01043	0.0281
Upper Lim.	0.24	0.3426	0.1	0.1	0.1
Lower Lim.	0.037	0.2415	0.041	0.05	0.04

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0013	<0.0013	0.0018 (J)	<0.0013	<0.0013		
3/2/2016						<0.0013	<0.0013
5/4/2016					<0.0013		
5/5/2016	<0.0013	<0.0013	0.0015	<0.0013		<0.0013	<0.0013
7/7/2016	<0.0013	<0.0013	0.0018	<0.0013		<0.0013	<0.0013
7/8/2016					<0.0013		
9/6/2016	<0.0013						
9/7/2016		<0.0013	0.0024	<0.0013	<0.0013	<0.0013	<0.0013
11/9/2016			0.0023	<0.0013	<0.0013		
11/10/2016	<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017			0.0027	<0.0013	<0.0013		
1/12/2017	<0.0013	<0.0013				<0.0013	<0.0013
3/14/2017			0.0024	<0.0013	<0.0013	<0.0013	
3/15/2017	<0.0013	<0.0013					<0.0013
5/18/2017	<0.0013	<0.0013	0.0029	<0.0013	<0.0013	<0.0013	<0.0013
3/14/2018	<0.0013	<0.0013	0.0023	<0.0013	<0.0013	<0.0013	<0.0013
6/10/2018			0.0024	<0.0013	<0.0013		
6/11/2018	<0.0013	<0.0013				<0.0013	<0.0013
10/18/2018		<0.0013	0.002	<0.0013	0.00039 (J)	<0.0013	<0.0013
10/19/2018	<0.0013						
3/1/2019			0.0012 (J)	<0.0013	<0.0013	<0.0013	<0.0013
3/2/2019	<0.0013	<0.0013					
6/3/2019	<0.0013		0.0018	0.00091 (J)	<0.0013	0.00067 (J)	0.00037 (J)
6/11/2019		<0.0013					
11/7/2019		0.00011 (J)	0.002			9.4E-05 (J)	0.0003 (J)
11/9/2019	0.00014 (J)			0.00012 (J)	<0.0013		
4/17/2020		<0.0013			<0.0013	0.00011 (J)	0.00033
4/18/2020	0.00018 (J)		0.0024	<0.0013			
10/8/2020	<0.0013	<0.0013	0.0019	<0.0013	<0.0013		
10/9/2020						0.0012 (J)	0.0003 (J)
3/30/2021	<0.0013	<0.0013		<0.0013	<0.0013		
3/31/2021			0.0022			<0.0013	0.0004
9/3/2021			0.002	<0.0013	<0.0013	<0.0013	<0.0013
9/7/2021	<0.0013	<0.0013					
3/23/2022	<0.0013		0.0018	<0.0013	<0.0013	<0.0013	<0.0013
3/24/2022		<0.0013					
9/8/2022					<0.0013	<0.0013	
9/9/2022	<0.0013	<0.0013	0.0021	<0.0013			<0.0013
4/7/2023			0.002	<0.0013	<0.0013		
4/10/2023	<0.0013	<0.0013				<0.0013	<0.0013
9/6/2023		<0.0013	0.0016			<0.0013	<0.0013
9/7/2023	<0.0013			<0.0013	<0.0013		
Mean	0.001196	0.001246	0.002068	0.001229	0.001259	0.001158	0.001082
Std. Dev.	0.0003355	0.0002537	0.0003957	0.0002612	0.000194	0.0003673	0.0004122
Upper Lim.	0.0013	0.0013	0.002281	0.0013	0.0013	0.0013	0.0013
Lower Lim.	0.00018	0.00011	0.001856	0.00091	0.00039	0.0012	0.0004

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.005	<0.005	0.057	<0.005	<0.005		
3/2/2016						0.0095 (J)	0.0082 (J)
5/4/2016					<0.005		
5/5/2016	<0.005	<0.005	0.044	<0.005		0.0059	0.0072
7/7/2016	<0.005	<0.005	0.04	<0.005		0.006	0.0092
7/8/2016					<0.005		
9/6/2016	<0.005						
9/7/2016		<0.005	0.033	<0.005	0.0073	0.0049 (J)	0.0069
11/9/2016			0.035	<0.005	<0.005		
11/10/2016	<0.005	<0.005				0.0055	0.0045 (J)
1/11/2017			0.028	<0.005	<0.005		
1/12/2017	<0.005	<0.005				0.0045 (J)	0.0073
3/14/2017			0.037	<0.005	0.0035 (J)	0.0069	
3/15/2017	<0.005	0.0038 (J)					0.012
5/18/2017	<0.005	<0.005	0.024	<0.005	<0.005	0.0055	0.0084
3/14/2018	<0.005	0.002 (J)	0.028	<0.005	<0.005	0.0059	0.012
6/10/2018			0.019	<0.005	<0.005		
6/11/2018	<0.005	0.0015 (J)				0.0042 (J)	0.009
10/18/2018		0.0017 (J)	0.022	<0.005	0.0012 (J)	0.0062	0.011
10/19/2018	0.0012 (J)						
3/1/2019			0.017	<0.005	0.0012 (J)	0.0054	0.0077
3/2/2019	0.0014 (J)	0.0011 (J)					
6/3/2019	<0.005		0.017	<0.005	<0.005	0.0054	0.0082
6/11/2019		0.0025 (J)					
11/7/2019		0.00097 (J)	0.019			0.0052	0.014
11/9/2019	0.0009 (J)			<0.005	0.00068 (J)		
4/17/2020		0.0021			0.00043 (J)	0.0076	0.0092
4/18/2020	<0.005		0.017	0.00039 (J)			
10/8/2020	<0.005	<0.005	0.017	<0.005	<0.005		
10/9/2020						0.0053	0.011
3/30/2021	<0.005	0.002		<0.005	<0.005		
3/31/2021			0.015			0.0059	0.017
9/3/2021			0.021	<0.005	<0.005	0.0067	0.092
9/7/2021	<0.005	0.0027 (J)					
3/23/2022	<0.005		0.02	<0.005	<0.005	0.0062	0.011
3/24/2022		0.00099 (J)					
9/8/2022					<0.005	<0.005	
9/9/2022	<0.005	<0.005	0.015	<0.005			0.006
4/7/2023			0.015	<0.005	<0.005		
4/10/2023	<0.005	<0.005				0.0066	0.0077
9/6/2023		<0.005	0.02			<0.005	0.0074
9/7/2023	<0.005			<0.005	<0.005		
Mean	0.004477	0.003471	0.02545	0.00479	0.004287	0.00565	0.01304
Std. Dev.	0.001349	0.001671	0.0112	0.0009829	0.001756	0.001503	0.01786
Upper Lim.	0.005	0.005	0.0302	0.005	0.005	0.006457	0.012
Lower Lim.	0.0014	0.0017	0.0193	0.00039	0.0035	0.004843	0.0074

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-106	MW-109
3/1/2016	<0.0002	<0.0002	0.00089	<0.0002	
3/2/2016					<0.0002
5/4/2016				<0.0002	
5/5/2016	<0.0002	<0.0002	0.00054		<0.0002
7/7/2016	<0.0002	<0.0002 (*)	0.00066 (V)		<0.0002 (*)
7/8/2016				<0.0002 (*)	
9/6/2016	<0.0002				
9/7/2016		<0.0002	0.0016	<0.0002	<0.0002
11/9/2016			0.0015	<0.0002	
11/10/2016	<0.0002	<0.0002			<0.0002
1/11/2017			0.0025	<0.0002	
1/12/2017	<0.0002	<0.0002			<0.0002
3/14/2017			0.0012	<0.0002	<0.0002
3/15/2017	<0.0002	<0.0002 (*)			
5/18/2017	<0.0002	<0.0002	0.0014	<0.0002	<0.0002
3/14/2018	9.4E-05 (J)	0.00012 (J)	0.0011	8E-05 (J)	9.7E-05 (J)
6/10/2018			0.0014	<0.0002	
6/11/2018	<0.0002	<0.0002			<0.0002
10/18/2018		<0.0002	0.00087	<0.0002	<0.0002
10/19/2018	9.4E-05 (J)				
3/1/2019			0.00077	<0.0002	<0.0002
3/2/2019	<0.0002	<0.0002			
6/3/2019	<0.0002		0.00054	<0.0002	<0.0002
6/11/2019		<0.0002			
11/7/2019		<0.0002	0.00053		0.0012
11/9/2019	<0.0002			<0.0002	
4/17/2020		0.00062		<0.0002	0.0032
4/18/2020	<0.0002		0.00069		
10/8/2020	<0.0002	0.00016 (J)	0.00087	<0.0002	
10/9/2020					0.0014
3/30/2021	<0.0002	<0.0002		<0.0002	
3/31/2021			0.00072		0.00035
9/3/2021			0.00048	<0.0002	0.0012
9/7/2021	<0.0002	<0.0002			
3/23/2022	<0.0002		0.00032	<0.0002	0.00047
3/24/2022		<0.0002			
9/8/2022				<0.0002	0.00041
9/9/2022	<0.0002	<0.0002	0.00082		
4/7/2023			0.00064	<0.0002	
4/10/2023	<0.0002	<0.0002			<0.0002
9/6/2023		<0.0002	0.00032		0.00092
9/7/2023	<0.0002			<0.0002	
Mean	0.0001904	0.0002136	0.0009255	0.0001945	0.0005385
Std. Dev.	3.119E-05	9.266E-05	0.0005117	2.558E-05	0.0007101
Upper Lim.	0.0002	0.00062	0.001132	0.0002	0.00047
Lower Lim.	9.4E-05	0.00016	0.0006377	8E-05	0.0002

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-105	MW-106	MW-109
3/1/2016	<0.015	<0.015	0.004 (J)	<0.015	
3/2/2016					<0.015
5/4/2016				<0.015	
5/5/2016	<0.015	<0.015	0.0093 (J)		<0.015
7/7/2016	<0.015	<0.015	0.0047 (J)		<0.015
7/8/2016				<0.015	
9/6/2016	<0.015				
9/7/2016		<0.015	0.004 (J)	<0.015	<0.015
11/9/2016			0.0037 (J)	<0.015	
11/10/2016	<0.015	<0.015			<0.015
1/11/2017			0.0052 (J)	<0.015	
1/12/2017	<0.015	<0.015			<0.015
3/14/2017			0.004 (J)	<0.015	<0.015
3/15/2017	<0.015	<0.015			
5/18/2017	<0.015	<0.015	0.0043 (J)	<0.015	<0.015
3/14/2018	<0.015	<0.015	0.0054 (J)	<0.015	<0.015
6/10/2018			0.0035 (J)	<0.015	
6/11/2018	<0.015	<0.015			<0.015
10/18/2018		<0.015	0.0032 (J)	<0.015	<0.015
10/19/2018	<0.015				
3/1/2019			0.0047 (J)	<0.015	<0.015
3/2/2019	<0.015	<0.015			
6/3/2019	<0.015		0.0033 (J)	<0.015	<0.015
6/11/2019		<0.015			
11/7/2019		<0.015			<0.015
11/9/2019	<0.015		0.0025 (J)	<0.015	
4/17/2020		<0.015		<0.015	<0.015
4/18/2020	<0.015		0.003		
10/8/2020	<0.015	<0.015	<0.015	<0.015	
10/9/2020					<0.015
3/30/2021	<0.015	<0.015	0.005	<0.015	
3/31/2021					<0.015
9/3/2021			0.0057 (J)	<0.015	<0.015
9/7/2021	<0.015	<0.015			
3/23/2022	0.00091 (J)		0.0089	0.00068 (J)	0.0009 (J)
3/24/2022		0.00092 (J)			
9/8/2022				<0.015	<0.015
9/9/2022	<0.015	<0.015	0.0044 (J)		
4/7/2023			0.0027 (J)	<0.015	
4/10/2023	<0.015	<0.015			<0.015
9/6/2023		<0.015			<0.015
9/7/2023	<0.015		0.0017 (J)	<0.015	
Mean	0.01436	0.01436	0.004577	0.01435	0.01436
Std. Dev.	0.003004	0.003002	0.001918	0.003053	0.003006
Upper Lim.	0.015	0.015	0.005607	0.015	0.015
Lower Lim.	0.00091	0.00092	0.003548	0.00068	0.0009

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-106	MW-109	MW-110
3/1/2016	<0.0013	0.0028 (J)	0.0054 (J)	<0.0013	<0.0013		
3/2/2016						<0.0013	0.0025 (J)
5/4/2016					<0.0013		
5/5/2016	0.00029 (J)	0.0026	0.0038	0.0003 (J)		<0.0013	0.0033
7/7/2016	<0.0013 (*)	0.0025	0.0043	<0.0013		<0.0013	0.0031
7/8/2016					<0.0013		
9/6/2016	<0.0013						
9/7/2016		0.0031	0.0099	0.00026 (J)	<0.0013	<0.0013	0.0034
11/9/2016			0.012	0.00038 (J)	<0.0013		
11/10/2016	<0.0013	0.0028				<0.0013	0.0038
1/11/2017			0.022	<0.0013	<0.0013		
1/12/2017	<0.0013	0.0028				<0.0013	0.0034
3/14/2017			0.011	<0.0013	<0.0013	<0.0013	
3/15/2017	<0.0013	0.0027					0.0032
5/18/2017	<0.0013	0.0036	0.018	<0.0013	<0.0013	<0.0013	0.0034
3/14/2018	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.0013	<0.0013	0.0038
6/10/2018			0.015	0.00043 (J)	<0.0013		
6/11/2018	0.00028 (J)	0.003				<0.0013	0.0037
10/18/2018		0.0016	0.0049	<0.0013	<0.0013	<0.0013	0.0033
10/19/2018	<0.0013						
3/1/2019			0.0026	<0.0013	<0.0013	<0.0013	0.0033
3/2/2019	<0.0013	<0.0013					
6/3/2019	<0.0013		0.0039	<0.0013	<0.0013	<0.0013	0.0035
6/11/2019		0.0014					
11/7/2019		0.002	0.0085			0.00024 (J)	0.0034
11/9/2019	<0.0013			0.00041	<0.0013		
4/17/2020		0.0022			<0.0013	0.0002 (J)	0.0039
4/18/2020	0.00019 (J)		0.0084	0.0004			
10/8/2020	<0.0013	0.0014	0.0045	<0.0013	<0.0013		
10/9/2020						<0.0013	0.0031
3/30/2021	<0.0013	0.0019		<0.0013	<0.0013		
3/31/2021			0.011			<0.0013	0.0046
9/3/2021			0.0054	<0.0013	<0.0013	<0.0013	0.0035
9/7/2021	<0.0013	0.0014					
3/23/2022	0.00025		0.0067	0.00023 (J)	<0.0013	0.00035	0.0034
3/24/2022		0.0014					
9/8/2022					0.0016	0.002	
9/9/2022	0.0044	0.0012 (J)	0.02	0.0014			0.0045
4/7/2023			0.016	0.001 (J)	<0.0013		
4/10/2023	0.0011 (J)	0.00086 (J)				0.0015	0.0027
9/6/2023		0.0036	0.0075			<0.0013	0.0067
9/7/2023	0.0016			<0.0013	0.0012 (J)		
Mean	0.001241	0.002214	0.009386	0.000955	0.001309	0.0012	0.003614
Std. Dev.	0.0008208	0.0008781	0.005643	0.0004579	6.838E-05	0.0004108	0.0008385
Upper Lim.	0.0016	0.002685	0.01242	0.0013	0.0016	0.0015	0.0038
Lower Lim.	0.0011	0.001743	0.006358	0.00041	0.0012	0.00035	0.0032

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-102	MW-103	MW-104	MW-105	MW-109	MW-110
3/1/2016	<0.0005	<0.0005	0.00043 (J)	<0.0005		
3/2/2016					<0.0005	0.00018 (J)
5/5/2016	<0.0005	<0.0005	0.0003 (J)	<0.0005	<0.0005	0.00024 (J)
7/7/2016	<0.0005	<0.0005	0.00028 (J)	<0.0005	<0.0005	0.00025 (J)
9/6/2016	<0.0005					
9/7/2016		<0.0005	0.00028 (J)	<0.0005	<0.0005	0.00023 (J)
11/9/2016			0.0003 (J)	<0.0005		
11/10/2016	<0.0005	<0.0005			<0.0005	0.0002 (J)
1/11/2017			0.00032 (J)	<0.0005		
1/12/2017	<0.0005	<0.0005			<0.0005	0.00026 (J)
3/14/2017			0.00032 (J)	<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005				0.0003 (J)
5/18/2017	<0.0005	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.00028 (J)
3/14/2018	<0.0005	<0.0005	0.00021 (J)	<0.0005	<0.0005	0.00029 (J)
6/10/2018			0.00033 (J)	<0.0005		
6/11/2018	<0.0005	<0.0005			<0.0005	0.00029 (J)
10/18/2018		<0.0005	0.00021 (J)	<0.0005	<0.0005	0.00031 (J)
10/19/2018	<0.0005					
3/1/2019			0.00013 (J)	<0.0005	<0.0005	0.0003 (J)
3/2/2019	<0.0005	<0.0005				
6/3/2019	<0.0005		0.00016 (J)	<0.0005	<0.0005	0.0002 (J)
6/11/2019		<0.0005				
11/7/2019		2.6E-05 (J)	0.00025		<0.0005	0.00024 (J)
11/9/2019	0.00021 (J)			0.00024 (J)		
4/17/2020		<0.0005			<0.0005	0.00031
4/18/2020	<0.0005		0.00033	<0.0005		
10/8/2020	<0.0005	0.00015 (J)	0.00034 (J)	<0.0005		
10/9/2020					0.00012 (J)	0.00037 (J)
3/30/2021	<0.0005	<0.0005		<0.0005		
3/31/2021			0.00031		<0.0005	0.00028
9/3/2021			0.00037 (J)	0.00012 (J)	<0.0005	0.00022 (J)
9/7/2021	<0.0005	<0.0005				
3/23/2022	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/24/2022		<0.0005				
9/8/2022					<0.0005	
9/9/2022	<0.0005	<0.0005	0.00051	<0.0005		<0.0005
4/7/2023			<0.0005	<0.0005		
4/10/2023	<0.0005	<0.0005			<0.0005	<0.0005
9/6/2023		<0.0005	<0.0005		<0.0005	<0.0005
9/7/2023	<0.0005			<0.0005		
Mean	0.0004868	0.0004625	0.0002968	0.0004709	0.0004827	0.0003068
Std. Dev.	6.183E-05	0.0001227	8.604E-05	9.596E-05	8.102E-05	0.0001028
Upper Lim.	0.0005	0.0005	0.000343	0.0005	0.0005	0.0002694
Lower Lim.	0.00021	0.00015	0.0002506	0.00024	0.00012	0.0002165

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

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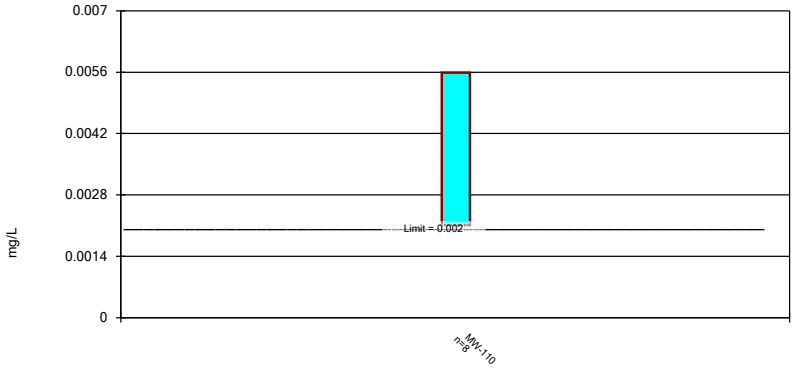
Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 12/14/2023 3:47 PM View: 100 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/14/2023 3:49 PM View: 100 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-110
4/17/2020	0.0063
10/9/2020	0.0049
3/31/2021	0.0055
9/3/2021	0.0012
3/23/2022	0.0034
9/9/2022	0.0036
4/10/2023	0.0032
9/6/2023	0.0027
Mean	0.00385
Std. Dev.	0.001641
Upper Lim.	0.00559
Lower Lim.	0.00211

200 Series

Appendix IV - 200 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**9.297**	**5.091**	**5**	**Yes**	**8**	**7.194**	**1.984**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 200 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	20	0.00235	0.0004617	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	20	0.00243	0.000313	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.001881	0.0005979	0.01	No	22	0.001877	0.001521	36.36	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0033	0.0009	0.01	No	22	0.002598	0.002694	54.55	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-206	0.005816	0.001604	0.01	No	22	0.005431	0.006007	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-200	0.05698	0.03232	2	No	22	0.04465	0.02298	4.545	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06039	0.03606	2	No	22	0.04823	0.02266	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.09276	0.0518	2	No	22	0.07228	0.03815	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	22	0.002388	0.0005234	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	22	0.002389	0.0005183	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	No	22	0.002019	0.0009125	77.27	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	21	0.002015	0.0008218	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.0084	0.0013	0.005	No	22	0.005057	0.00533	9.091	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0026	0.00065	0.005	No	22	0.001878	0.001028	22.73	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-201	0.0025	0.002	0.1	No	19	0.002363	0.0003609	84.21	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	No	19	0.002505	0.00002294	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001303	0.0006711	0.006	No	22	0.001151	0.0007022	22.73	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-201	0.002407	0.001263	0.006	No	22	0.001941	0.001259	9.091	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004327	0.002134	0.006	No	22	0.00323	0.002043	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-200	8.728	1.777	5	No	8	5.107	3.698	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-201	9.662	4.58	5	No	8	7.121	2.397	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**9.297**	**5.091**	**5**	**Yes**	**8**	**7.194**	**1.984**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.06	4	No	23	0.09865	0.06292	30.43	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.6612	0.3838	4	No	24	0.5225	0.2719	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.07675	0.04694	4	No	24	0.07779	0.03537	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-200	0.00115	0.0006241	0.015	No	22	0.0011	0.0004571	31.82	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	22	0.001047	0.0003838	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.0086	0.00076	0.015	No	22	0.004315	0.004055	13.64	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	22	0.004823	0.00157	81.82	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.0053	0.0043	0.04	No	22	0.006273	0.006595	27.27	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0029	0.04	No	22	0.004568	0.001149	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.001829	0.0007152	0.002	No	22	0.001272	0.001038	13.64	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.001076	0.0002797	0.002	No	22	0.001043	0.001037	13.64	None	ln(x)	0.01	Param.
Mercury (mg/L)	MW-206	0.00034	0.00016	0.002	No	22	0.0003195	0.0002391	45.45	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	20	0.01464	0.00161	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	20	0.01432	0.003019	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	20	0.0143	0.003148	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.009584	0.003699	0.05	No	22	0.007436	0.00585	9.091	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.009038	0.003511	0.05	No	22	0.007016	0.005557	4.545	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01634	0.009753	0.05	No	22	0.01305	0.006138	4.545	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0005	0.00018	0.002	No	22	0.0003699	0.0001696	45.45	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-201	0.0005	0.00016	0.002	No	22	0.0003486	0.0001675	22.73	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-206	0.0006288	0.0003185	0.002	No	22	0.0005495	0.0002732	22.73	Kaplan-Meier	No	0.01	Param.

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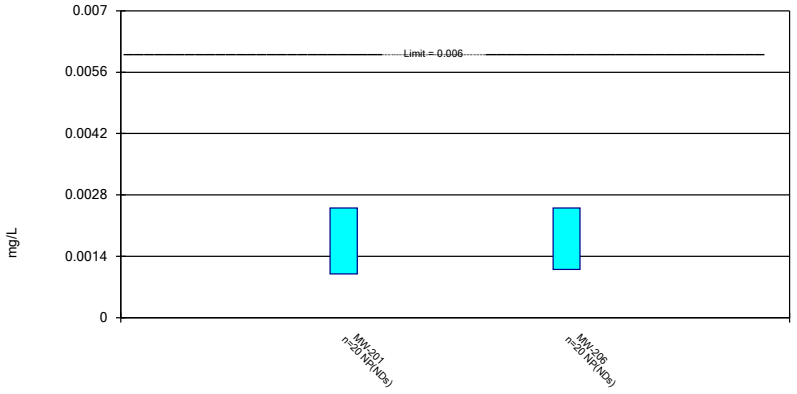
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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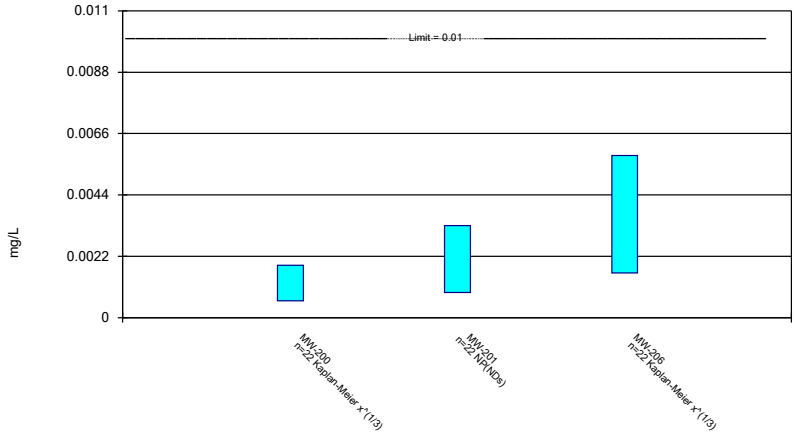
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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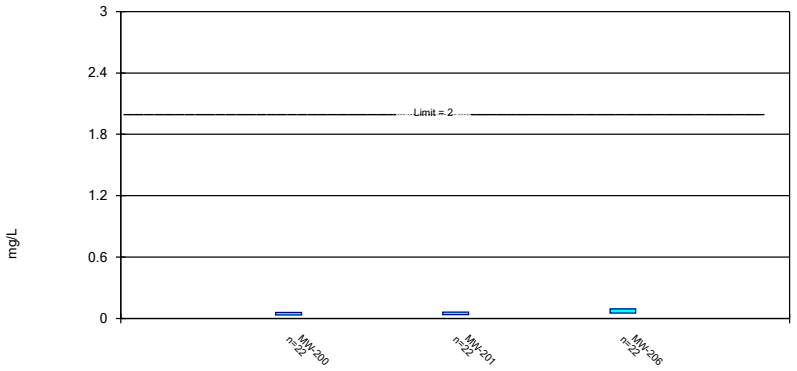
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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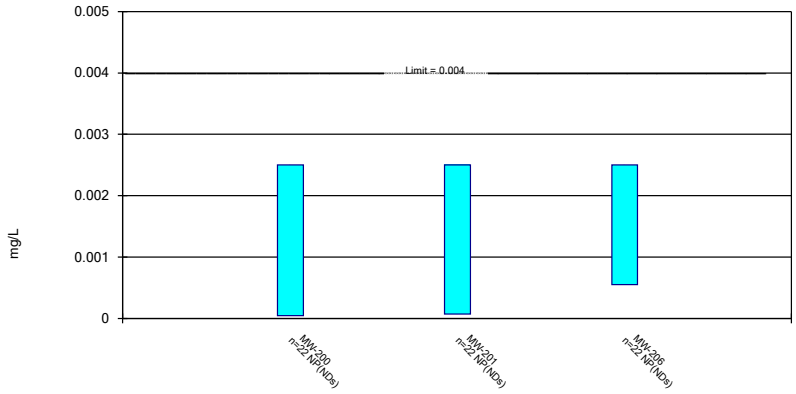
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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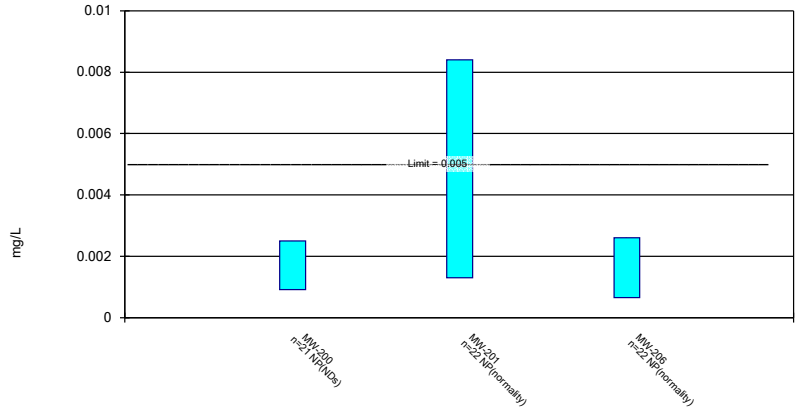
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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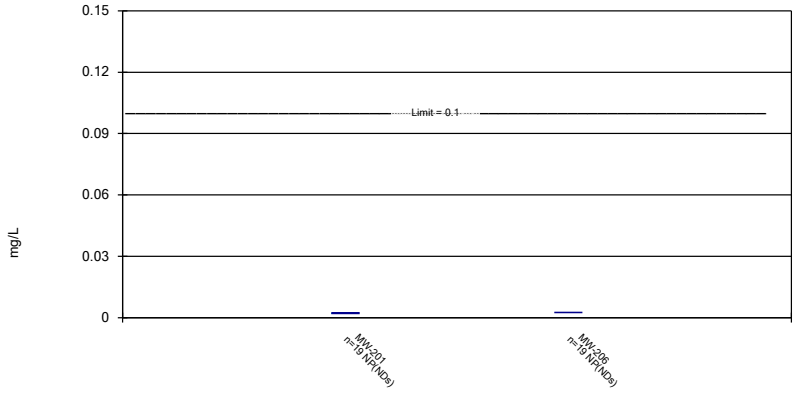
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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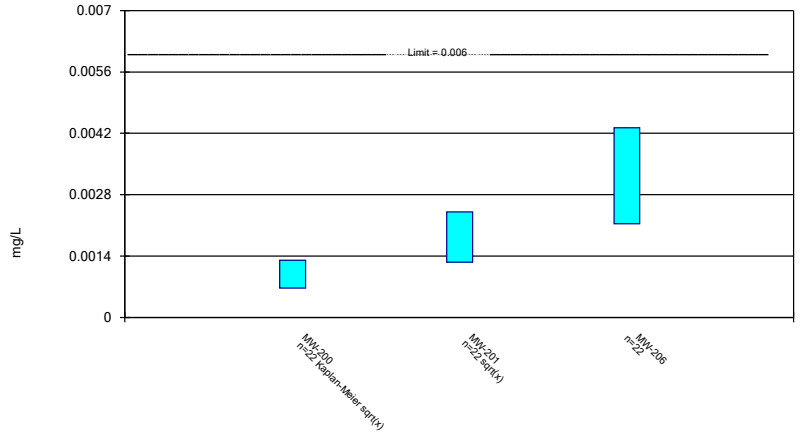
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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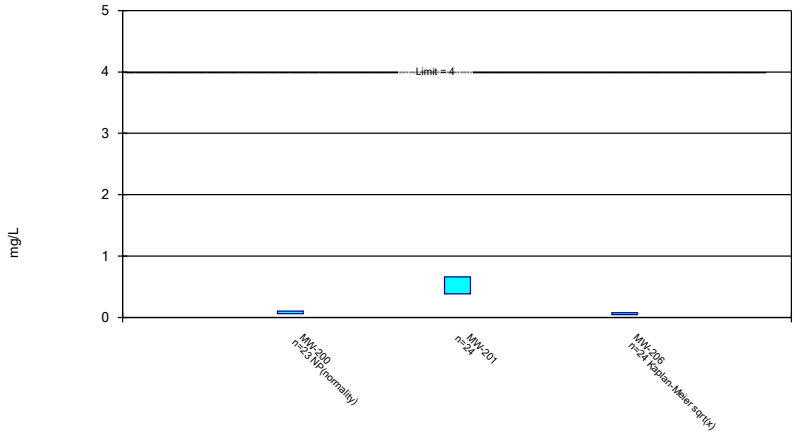
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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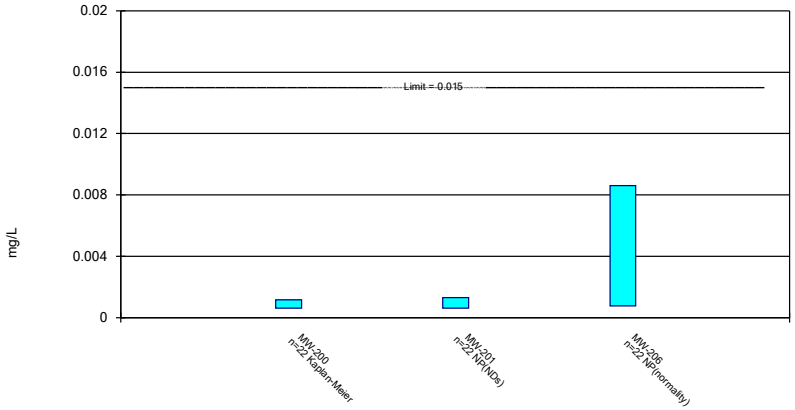
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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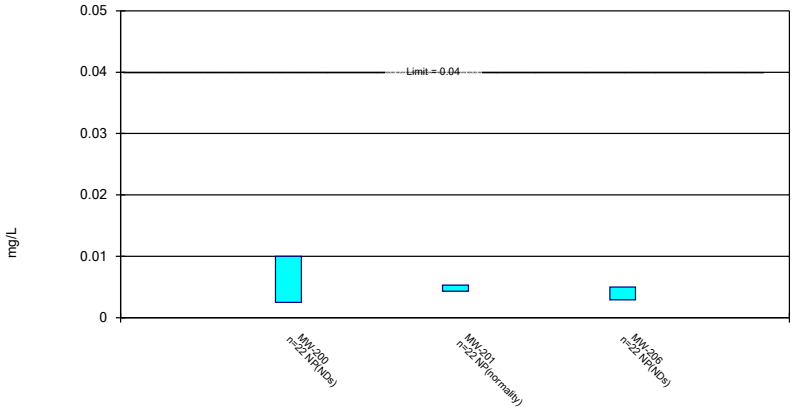
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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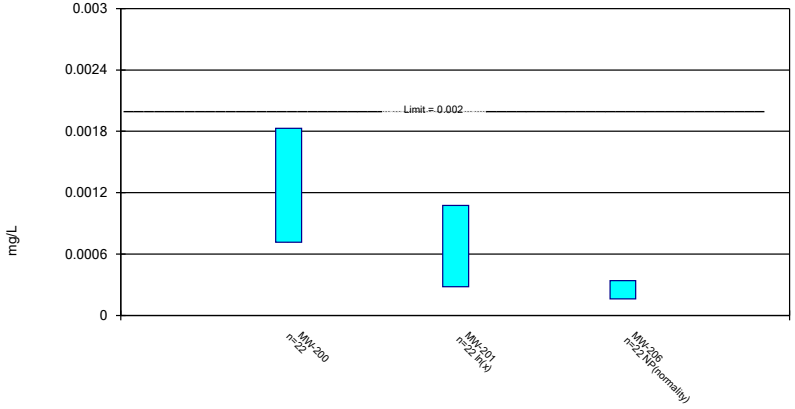
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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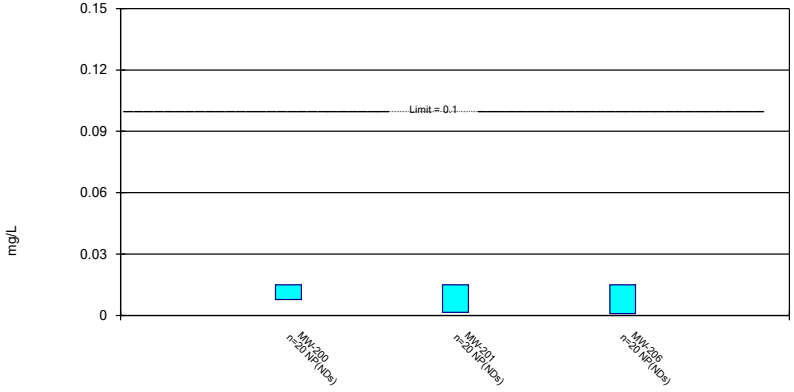
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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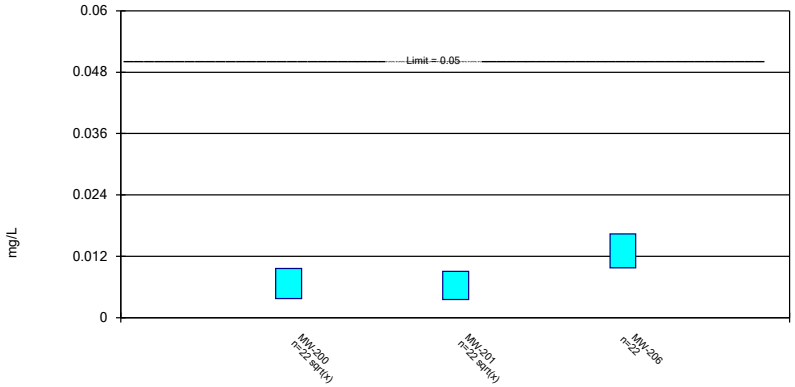
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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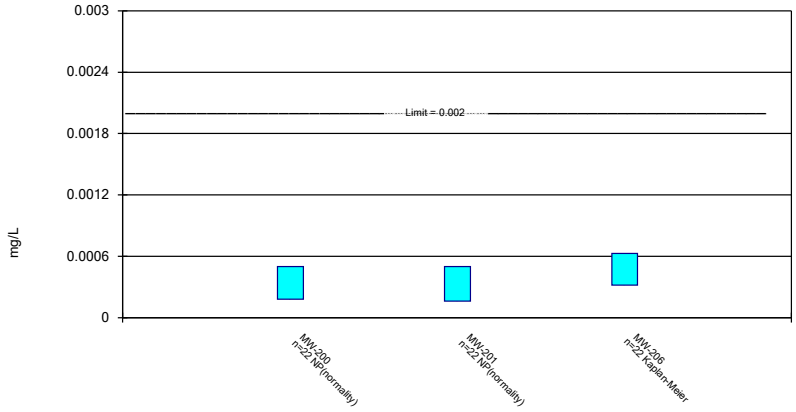
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 12/14/2023 3:56 PM View: 200 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-206
3/2/2016	<0.0025	<0.0025
5/3/2016		<0.0025
5/4/2016	0.001 (J)	
7/5/2016		<0.0025
7/6/2016	<0.0025	
9/8/2016	<0.0025	<0.0025
11/8/2016	<0.0025	
11/9/2016		<0.0025
1/12/2017		<0.0025
1/13/2017	<0.0025	
3/16/2017	<0.0025	
3/17/2017		<0.0025
5/17/2017	<0.0025	<0.0025
3/14/2018	<0.0025	0.0011 (J)
6/8/2018		<0.0025
6/9/2018	<0.0025	
10/17/2018		<0.0025
11/14/2018	0.001 (J)	
2/28/2019		<0.0025
3/5/2019	<0.0025	
4/18/2020		<0.0025
4/22/2020	<0.0025	
10/12/2020	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025
9/8/2021	<0.0025	<0.0025
3/25/2022	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025
9/8/2023	<0.0025	<0.0025
Mean	0.00235	0.00243
Std. Dev.	0.0004617	0.000313
Upper Lim.	0.0025	0.0025
Lower Lim.	0.001	0.0011

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

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0059 (J)	0.0033 (J)	0.021
5/3/2016	0.0038		0.016
5/4/2016		0.0068	
7/5/2016	0.0051		0.017
7/6/2016		0.01	
9/8/2016	0.0042 (J)	0.0093	0.011
11/8/2016		0.0043 (J)	
11/9/2016	<0.0013		0.011
1/12/2017	0.00068 (J)		0.0062
1/13/2017		0.0034	
3/16/2017		0.0023	
3/17/2017	0.0029		0.0078
5/16/2017	0.0018		
5/17/2017		0.0009 (J)	0.0052
3/13/2018	0.0013		
3/14/2018		0.00062 (J)	0.0033
6/8/2018	0.0018		0.003
6/9/2018		0.00063 (J)	
10/17/2018			0.0028
11/13/2018	0.00072 (J)		
11/14/2018		<0.0013	
2/28/2019	0.00067 (J)		0.00089 (J)
3/5/2019		<0.0013	
6/4/2019	0.00048 (J)	<0.0013	0.001 (J)
11/12/2019	0.0011 (J)	<0.0013	0.0022 (V)
4/18/2020	0.00044		0.00086
4/22/2020		<0.0013	
10/12/2020	<0.0013	<0.0013	0.0017
4/1/2021	<0.0013	<0.0013	0.00064
9/8/2021	<0.0013	<0.0013	<0.0013
3/25/2022	<0.0013	<0.0013	<0.0013
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	<0.0013	<0.0013	<0.0013
9/8/2023	<0.0013	<0.0013	0.0027
Mean	0.001877	0.002598	0.005431
Std. Dev.	0.001521	0.002694	0.006007
Upper Lim.	0.001881	0.0033	0.005816
Lower Lim.	0.0005979	0.0009	0.001604

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.089	0.064	0.13
5/3/2016	0.076		0.11
5/4/2016		0.078	
7/5/2016	0.068		0.12
7/6/2016		0.081	
9/8/2016	0.078	0.095	0.13
11/8/2016		0.083	
11/9/2016	0.051		0.12
1/12/2017	0.036		0.1
1/13/2017		0.071	
3/16/2017		0.06	
3/17/2017	0.061		0.12
5/16/2017	0.061		
5/17/2017		0.036	0.11
3/13/2018	0.042		
3/14/2018		0.03	0.079
6/8/2018	0.057		0.07
6/9/2018		0.029	
10/17/2018			0.059
11/13/2018	0.048		
11/14/2018		0.028	
2/28/2019	0.045		0.048
3/5/2019		0.035	
6/4/2019	0.04	0.04	0.048
11/12/2019	0.0071	0.011	0.0081
4/18/2020	0.025		0.056
4/22/2020		0.048	
10/12/2020	0.025	0.038	0.051
4/1/2021	0.031	0.055	0.051
9/8/2021	0.026	0.049	0.039
3/25/2022	<0.0005	0.041	0.038
9/13/2022	0.059	0.034	0.039
4/11/2023	0.039	0.041	0.04
9/8/2023	0.018	0.014	0.024
Mean	0.04465	0.04823	0.07228
Std. Dev.	0.02298	0.02266	0.03815
Upper Lim.	0.05698	0.06039	0.09276
Lower Lim.	0.03232	0.03606	0.0518

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

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.0025	<0.0025	0.00055 (J)
5/3/2016	<0.0025		<0.0025
5/4/2016		<0.0025	
7/5/2016	<0.0025		0.00048 (J)
7/6/2016		<0.0025	
9/8/2016	<0.0025	<0.0025	<0.0025
11/8/2016		<0.0025	
11/9/2016	<0.0025		<0.0025
1/12/2017	<0.0025		<0.0025
1/13/2017		<0.0025	
3/16/2017		<0.0025	
3/17/2017	<0.0025		0.00042 (J)
5/16/2017	<0.0025		
5/17/2017		<0.0025	<0.0025
3/13/2018	<0.0025		
3/14/2018		<0.0025	<0.0025
6/8/2018	<0.0025		<0.0025
6/9/2018		<0.0025	
10/17/2018			<0.0025
11/13/2018	<0.0025 (J3)		
11/14/2018		<0.0025 (J3)	
2/28/2019	<0.0025		<0.0025
3/5/2019		<0.0025	
6/4/2019	<0.0025	<0.0025	<0.0025
11/12/2019	<0.0025	<0.0025	<0.0025
4/18/2020	4.5E-05 (J)		4.1E-05 (J)
4/22/2020		6.9E-05 (J)	
10/12/2020	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025
9/8/2021	<0.0025	<0.0025	<0.0025
3/25/2022	<0.0025	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025	<0.0025
9/8/2023	<0.0025	<0.0025	0.00042 (J)
Mean	0.002388	0.002389	0.002019
Std. Dev.	0.0005234	0.0005183	0.0009125
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	4.5E-05	6.9E-05	0.00055

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.022 (o)	<0.0025	0.0031 (J)
5/3/2016	<0.0025		0.0025
5/4/2016		0.014	
7/5/2016	<0.0025		0.0026
7/6/2016		0.015	
9/8/2016	<0.0025	0.015	0.0026 (J)
11/8/2016		0.014	
11/9/2016	<0.0025		0.0032 (J)
1/12/2017	<0.0025		0.0031
1/13/2017		0.013	
3/16/2017		0.0084	
3/17/2017	<0.0025		0.0027
5/16/2017	<0.0025		
5/17/2017		0.0044	0.0024 (J)
3/13/2018	0.00039 (J)		
3/14/2018		0.0032	0.0014 (J)
6/8/2018	<0.0025		0.0014 (J)
6/9/2018		0.0029	
10/17/2018			0.00088 (J)
11/13/2018	<0.0025		
11/14/2018		0.0021 (J)	
2/28/2019	<0.0025		0.00065 (J)
3/5/2019		0.0023 (J)	
6/4/2019	<0.0025	0.0017 (J)	0.00035 (J)
11/12/2019	0.00061 (J)	0.002 (J)	0.00055 (J)
4/18/2020	0.00091		0.00029 (J)
4/22/2020		0.0013	
10/12/2020	<0.0025	0.0015 (J)	<0.0025
4/1/2021	0.0012	0.0012	0.00065
9/8/2021	0.0006 (J)	0.0013 (J)	0.00044 (J)
3/25/2022	<0.0025	0.0017 (J)	<0.0025
9/13/2022	0.0027	0.00066 (J)	<0.0025
4/11/2023	0.0009 (J)	0.0031	<0.0025
9/8/2023	<0.0025	<0.0025	<0.0025
Mean	0.002015	0.005057	0.001878
Std. Dev.	0.0008218	0.00533	0.001028
Upper Lim.	0.0025	0.0084	0.0026
Lower Lim.	0.00091	0.0013	0.00065

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-201	MW-206
3/2/2016	<0.0025	0.0026 (J)
5/3/2016		<0.0025
5/4/2016	<0.0025	
7/5/2016		<0.0025
7/6/2016	<0.0025	
9/8/2016	<0.0025	<0.0025
11/8/2016	<0.0025	
11/9/2016		<0.0025
1/12/2017		<0.0025
1/13/2017	<0.0025	
3/16/2017	<0.0025	
3/17/2017		<0.0025
5/17/2017	<0.0025	<0.0025
3/14/2018	<0.0025	<0.0025
6/8/2018		<0.0025
6/9/2018	<0.0025	
2/28/2019		<0.0025
3/5/2019	<0.0025	
4/18/2020		<0.0025
4/22/2020	<0.0025	
10/12/2020	0.0011 (J)	<0.0025
4/1/2021	0.0018	<0.0025
9/8/2021	0.002 (J)	<0.0025
3/25/2022	<0.0025	<0.0025
9/13/2022	<0.0025	<0.0025
4/11/2023	<0.0025	<0.0025
9/8/2023	<0.0025	<0.0025
Mean	0.002363	0.002505
Std. Dev.	0.0003609	2.294E-05
Upper Lim.	0.0025	0.0026
Lower Lim.	0.002	0.0025

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0024 (J)	0.0013 (J)	0.0074 (J)
5/3/2016	0.0015 (J)		0.0051
5/4/2016		0.0026	
7/5/2016	0.0015 (J)		0.0055
7/6/2016		0.0033	
9/8/2016	<0.0005	0.0038 (J)	0.0056 (J)
11/8/2016		0.0035 (J)	
11/9/2016	<0.0005		0.0057 (J)
1/12/2017	0.00056 (J)		0.0044
1/13/2017		0.006	
3/16/2017		0.0021 (J)	
3/17/2017	0.0012 (J)		0.0027
5/16/2017	0.0013 (J)		
5/17/2017		0.0021 (J)	0.0035
3/13/2018	0.0011 (J)		
3/14/2018		0.0022 (J)	0.0027
6/8/2018	0.0028		0.0029
6/9/2018		0.0016 (J)	
10/17/2018			0.0027
11/13/2018	0.0019 (J)		
11/14/2018		0.0016 (J)	
2/28/2019	0.0024 (J)		0.0022 (J)
3/5/2019		0.0017 (J)	
6/4/2019	0.0013 (J)	0.0014 (J)	0.0018 (J)
11/12/2019	<0.0005	<0.0025	0.00067 (J)
4/18/2020	0.00048 (J)		0.0016
4/22/2020		0.00091	
10/12/2020	<0.0005	0.0014 (J)	0.0019 (J)
4/1/2021	0.0013	0.0012	0.002
9/8/2021	0.00061 (J)	0.00071 (J)	0.0014 (J)
3/25/2022	<0.0005	0.00086 (J)	0.0012 (J)
9/13/2022	0.00069 (J)	0.0011 (J)	0.0014 (J)
4/11/2023	0.0011 (J)	0.00082 (J)	0.0013 (J)
9/8/2023	0.00069 (J)	<0.0025	0.0074
Mean	0.001151	0.001941	0.00323
Std. Dev.	0.0007022	0.001259	0.002043
Upper Lim.	0.001303	0.002407	0.004327
Lower Lim.	0.0006711	0.001263	0.002134

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

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.088 (J)	0.54	0.074 (J)
5/3/2016	0.05 (J)		0.05 (J)
5/4/2016		0.41	
7/5/2016	0.07 (J)		0.05 (J)
7/6/2016		0.49	
9/8/2016	0.07 (J)	0.57	0.05 (J)
11/8/2016		0.47	
11/9/2016	0.06 (J)		0.04 (J)
1/12/2017	<0.1		0.04 (J)
1/13/2017		0.73	
3/16/2017		0.92	
3/17/2017	0.05 (J)		0.04 (J)
5/16/2017	0.06 (J)		
5/17/2017		0.77	0.06 (J)
10/3/2017			0.11
10/4/2017	0.08 (J)	0.96	
12/20/2017		0.88 (R)	0.08 (I)
3/13/2018	0.05 (J)		
3/14/2018		0.84	0.08 (J)
6/8/2018	0.13		0.1
6/9/2018		0.78	
10/17/2018			0.12
11/13/2018	0.1		
11/14/2018		0.67	
2/28/2019	0.3		0.1
3/5/2019		0.64	
6/4/2019	<0.1	0.09 (J)	0.08 (J)
11/12/2019	0.072 (J)	0.57	0.045 (J)
4/18/2020	<0.1		<0.1
4/22/2020		0.39	
10/12/2020	<0.1	0.46	0.04 (J)
4/1/2021	0.07	0.5	0.07
9/8/2021	0.049 (J)	0.36	0.048 (J)
3/25/2022	<0.1	0.25	<0.1
9/13/2022	0.27 (J)	<0.1	<0.1
4/11/2023	<0.1	0.15	<0.1
9/8/2023	<0.1	<0.1	0.19
Mean	0.09865	0.5225	0.07779
Std. Dev.	0.06292	0.2719	0.03537
Upper Lim.	0.1	0.6612	0.07675
Lower Lim.	0.06	0.3838	0.04694

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.0013	<0.0013	0.011
5/3/2016	0.0015		0.0087
5/4/2016		<0.0013	
7/5/2016	0.0017		0.011
7/6/2016		<0.0013	
9/8/2016	0.0021 (J)	<0.0013	0.0092
11/8/2016		<0.0013	
11/9/2016	<0.0013		0.01
1/12/2017	0.00041 (J)		0.0086
1/13/2017		<0.0013	
3/16/2017		<0.0013	
3/17/2017	0.0011 (J)		0.0082
5/16/2017	0.0011 (J)		
5/17/2017		<0.0013	0.0081
3/13/2018	0.00047 (J)		
3/14/2018		<0.0013	0.004
6/8/2018	0.0013		0.0034
6/9/2018		<0.0013	
10/17/2018			0.0026
11/13/2018	0.0014		
11/14/2018		<0.0013	
2/28/2019	0.0012 (J)		0.0019
3/5/2019		0.00037 (J)	
6/4/2019	0.00079 (J)	0.00065 (J)	0.0011 (J)
11/12/2019	0.00069 (J)	0.00061 (J)	0.001 (J)
4/18/2020	0.00042		0.00057
4/22/2020		0.0005	
10/12/2020	0.00034 (J)	0.0005 (J)	0.00085 (J)
4/1/2021	0.00058	0.00057	0.00076
9/8/2021	<0.0013	0.00034 (J)	0.0004 (J)
3/25/2022	<0.0013	<0.0013	<0.0013
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	<0.0013	<0.0013	<0.0013
9/8/2023	<0.0013	<0.0013	0.0016
Mean	0.0011	0.001047	0.004315
Std. Dev.	0.0004571	0.0003838	0.004055
Upper Lim.	0.00115	0.0013	0.0086
Lower Lim.	0.0006241	0.00061	0.00076

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.01 (J)	<0.005	<0.005
5/3/2016	<0.005		<0.005
5/4/2016		0.0069	
7/5/2016	<0.005		<0.005
7/6/2016		0.0086	
9/8/2016	<0.005	0.035	<0.005
11/8/2016		<0.005	
11/9/2016	<0.005		<0.005
1/12/2017	<0.005		<0.005
1/13/2017		0.0078	
3/16/2017		0.0062	
3/17/2017	<0.005		<0.005
5/16/2017	<0.005		
5/17/2017		0.0042 (J)	<0.005
3/13/2018	<0.005		
3/14/2018		0.0053	<0.005
6/8/2018	<0.005		0.0012 (J)
6/9/2018		0.0044 (J)	
10/17/2018			0.0014 (J)
11/13/2018	0.0024 (J)		
11/14/2018		0.005	
2/28/2019	0.0025 (J)		<0.005
3/5/2019		0.0043 (J)	
6/4/2019	0.0012 (J)	0.0044 (J)	<0.005
11/12/2019	<0.005	0.0026 (J)	<0.005
4/18/2020	<0.005		<0.005
4/22/2020		0.0024	
10/12/2020	<0.005	0.0026 (J)	<0.005
4/1/2021	<0.005	0.005	0.0029
9/8/2021	<0.005	0.0033 (J)	<0.005
3/25/2022	<0.005	<0.005	<0.005
9/13/2022	<0.005	<0.005	<0.005
4/11/2023	<0.005	<0.005	<0.005
9/8/2023	<0.005	<0.005	<0.005
Mean	0.004823	0.006273	0.004568
Std. Dev.	0.00157	0.006595	0.001149
Upper Lim.	0.01	0.0053	0.005
Lower Lim.	0.0025	0.0043	0.0029

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.0027	0.0026	0.00024
5/3/2016	0.003		0.00036
5/4/2016		0.0022	
7/5/2016	0.0023		0.0007
7/6/2016		0.0026	
9/8/2016	0.0034	0.0027	0.00081
11/8/2016		0.0016	
11/9/2016	0.0012		0.00099
1/12/2017	0.0012		0.00064
1/13/2017		0.0026	
3/16/2017		0.0015	
3/17/2017	0.0022		0.00033
5/16/2017	0.0019		
5/17/2017		0.00016 (J)	0.00034
3/13/2018	0.0014		
3/14/2018		0.00051	0.0002
6/8/2018	0.0018		0.00016 (J)
6/9/2018		0.00032	
10/17/2018			0.00014 (J)
11/13/2018	0.0021		
11/14/2018		8.2E-05 (J)	
2/28/2019	0.0016		0.00012 (J)
3/5/2019		0.0026	
6/4/2019	0.00061	0.0012	<0.0002
11/12/2019	0.00056	0.00048	<0.0002
4/18/2020	0.00013 (J)		<0.0002
4/22/2020		0.0004	
10/12/2020	0.00017 (J)	0.00026	<0.0002
4/1/2021	0.00025	0.00029	<0.0002
9/8/2021	<0.0002	<0.0002	<0.0002
3/25/2022	<0.0002	<0.0002	<0.0002
9/13/2022	0.00038	0.00027	<0.0002
4/11/2023	0.00079	0.00028	<0.0002
9/8/2023	<0.0002	<0.0002	<0.0002
Mean	0.001272	0.001043	0.0003195
Std. Dev.	0.001038	0.001037	0.0002391
Upper Lim.	0.001829	0.001076	0.00034
Lower Lim.	0.0007152	0.0002797	0.00016

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	<0.015	<0.015	<0.015
5/3/2016	<0.015		<0.015
5/4/2016		<0.015	
7/5/2016	<0.015		<0.015
7/6/2016		<0.015	
9/8/2016	<0.015	<0.015	<0.015
11/8/2016		<0.015	
11/9/2016	<0.015		<0.015
1/12/2017	<0.015		<0.015
1/13/2017		<0.015	
3/16/2017		0.0015 (J)	
3/17/2017	0.0078 (J)		<0.015
5/16/2017	<0.015		
5/17/2017		<0.015	<0.015
3/13/2018	<0.015		
3/14/2018		<0.015	0.00092 (J)
6/8/2018	<0.015		<0.015
6/9/2018		<0.015	
10/17/2018			<0.015
11/13/2018	<0.015		
11/14/2018		<0.015	
2/28/2019	<0.015		<0.015
3/5/2019		<0.015	
4/18/2020	<0.015		<0.015
4/22/2020		<0.015	
10/12/2020	<0.015	<0.015	<0.015
4/1/2021	<0.015	<0.015	<0.015
9/8/2021	<0.015	<0.015	<0.015
3/25/2022	<0.015	<0.015	<0.015
9/13/2022	<0.015	<0.015	<0.015
4/11/2023	<0.015	<0.015	<0.015
9/8/2023	<0.015	<0.015	<0.015
Mean	0.01464	0.01432	0.0143
Std. Dev.	0.00161	0.003019	0.003148
Upper Lim.	0.015	0.015	0.015
Lower Lim.	0.0078	0.0015	0.00092

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.018	0.013	0.026
5/3/2016	0.016		0.019
5/4/2016		0.014	
7/5/2016	0.018		0.018
7/6/2016		0.015	
9/8/2016	0.016	0.018	0.018
11/8/2016		0.015	
11/9/2016	0.013		0.02
1/12/2017	0.004		0.017
1/13/2017		0.014	
3/16/2017		0.012	
3/17/2017	0.015		0.016
5/16/2017	0.01		
5/17/2017		0.0094	0.013
3/13/2018	0.0064		
3/14/2018		0.0049	0.019
6/8/2018	0.0076		0.018
6/9/2018		0.0047	
10/17/2018			0.013
11/13/2018	0.0062		
11/14/2018		0.0031	
2/28/2019	0.0044		0.011
3/5/2019		0.0012 (J)	
6/4/2019	0.0044	0.002	0.015
11/12/2019	0.0042	0.0026	0.012
4/18/2020	0.0028		0.0085
4/22/2020		0.0037	
10/12/2020	0.0025	0.003	0.0071
4/1/2021	0.0042	0.0036	0.008
9/8/2021	0.0033	0.0046	0.0059
3/25/2022	<0.0013	0.005	0.0069
9/13/2022	<0.0013	<0.0013	<0.0013
4/11/2023	0.0052	0.0034	0.0051
9/8/2023	0.0011 (J)	0.0015	0.0099
Mean	0.007436	0.007016	0.01305
Std. Dev.	0.00585	0.005557	0.006138
Upper Lim.	0.009584	0.009038	0.01634
Lower Lim.	0.003699	0.003511	0.009753

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
3/2/2016	0.00058 (J)	0.0003 (J)	0.00095 (J)
5/3/2016	0.00041 (J)		0.00089
5/4/2016		0.0005	
7/5/2016	0.0004 (J)		0.001
7/6/2016		0.00047 (J)	
9/8/2016	0.00045 (J)	0.00053 (J)	0.00088 (J)
11/8/2016		0.00055 (J)	
11/9/2016	<0.0005		0.00083 (J)
1/12/2017	0.00012 (J)		0.00076
1/13/2017		0.00057	
3/16/2017		0.0004 (J)	
3/17/2017	0.00027 (J)		0.00088
5/16/2017	0.00025 (J)		
5/17/2017		0.00029 (J)	0.00071
3/13/2018	0.00018 (J)		
3/14/2018		0.00027 (J)	0.00055
6/8/2018	0.00018 (J)		0.00048 (J)
6/9/2018		0.00023 (J)	
10/17/2018			0.0003 (J)
11/13/2018	<0.0005		
11/14/2018		0.00015 (J)	
2/28/2019	0.0001 (J)		0.00024 (J)
3/5/2019		0.00016 (J)	
6/4/2019	<0.0005	0.00011 (J)	0.00017 (J)
11/12/2019	<0.0005	0.00012 (J)	0.00019 (J)
4/18/2020	5.8E-05 (J)		0.00023
4/22/2020		0.00015	
10/12/2020	0.00014 (J)	0.00025 (J)	0.00033 (J)
4/1/2021	<0.0005	0.00012	0.0002
9/8/2021	<0.0005	<0.0005	<0.0005
3/25/2022	<0.0005	<0.0005	<0.0005
9/13/2022	<0.0005	<0.0005	<0.0005
4/11/2023	<0.0005	<0.0005	<0.0005
9/8/2023	<0.0005	<0.0005	<0.0005
Mean	0.0003699	0.0003486	0.0005495
Std. Dev.	0.0001696	0.0001675	0.0002732
Upper Lim.	0.0005	0.0005	0.0006288
Lower Lim.	0.00018	0.00016	0.0003185

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

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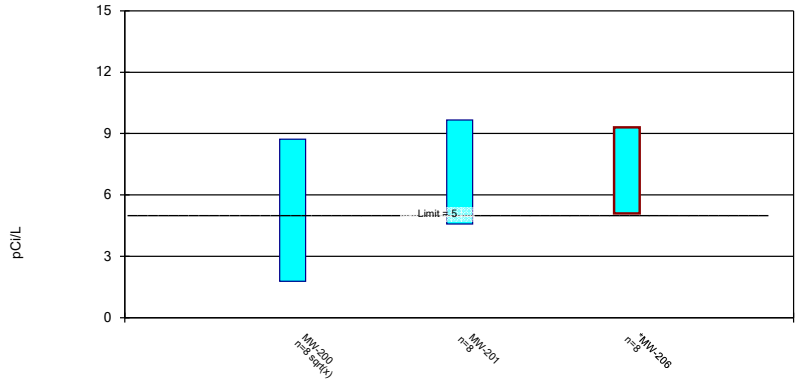
Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:57 PM View: 200 Series - Confiden

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2023 3:58 PM View: 200 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-200	MW-201	MW-206
4/18/2020	2.42		7.03
4/22/2020		7.2	
10/12/2020	4.51	7.02	9.54
4/1/2021	5.51	9.55	9.3
9/8/2021	4.54	8.42	6.25
3/25/2022	3.81	8.93	6.19
9/13/2022	13.4	4.5	6.19
4/11/2023	5.67	8.7	3.9
9/8/2023	0.997	2.65	9.15
Mean	5.107	7.121	7.194
Std. Dev.	3.698	2.397	1.984
Upper Lim.	8.728	9.662	9.297
Lower Lim.	1.777	4.58	5.091

300 Series

Appendix IV - 300 Series - Confidence Intervals - Significant Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.34**	**5.4**	**5**	**Yes**	**22**	**6.033**	**1.819**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**MW-303**	**0.6462**	**0.3113**	**0.1**	**Yes**	**8**	**0.4788**	**0.158**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV - 300 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-303	0.0015	0.0012	0.01	No	20	0.001261	0.0004027	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-304	0.0019	0.00062	0.01	No	17	0.001645	0.001464	35.29	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-305	0.00048	0.00025	0.01	No	20	0.007049	0.02117	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0023	0.0011	0.01	No	20	0.001298	0.0003031	85	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.011	2	No	22	0.0115	0.0009129	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04895	0.03278	2	No	22	0.04086	0.01506	0	None	No	0.01	Param.
Barium (mg/L)	MW-304	0.04097	0.02876	2	No	22	0.03486	0.01137	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	22	0.02191	0.008793	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.0267	0.02176	2	No	22	0.02423	0.004597	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	19	0.002372	0.0005566	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.001	0.004	No	19	0.002324	0.0005296	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	22	0.00239	0.000517	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00041	0.005	No	22	0.001394	0.001038	45.45	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0042	0.001	0.005	No	22	0.002429	0.0006234	86.36	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0029	0.00091	0.005	No	22	0.002336	0.0006161	86.36	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	22	0.00239	0.000514	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0012	0.1	No	19	0.002495	0.000417	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0014	0.1	No	19	0.002374	0.0003798	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0021	0.1	No	19	0.002363	0.0003578	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.002	0.1	No	19	0.002295	0.0004339	73.68	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.0022	0.1	No	19	0.002396	0.0003877	89.47	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	22	0.00212	0.0008354	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00059	0.006	No	22	0.001551	0.0009747	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-304	0.03355	0.00565	0.006	No	13	0.03528	0.07985	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	MW-305	0.0025	0.00045	0.006	No	22	0.00385	0.00792	31.82	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	22	0.002327	0.0005606	90.91	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.456	4.654	5	No	22	4.996	0.8871	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-303**	**6.34**	**5.4**	**5**	**Yes**	**22**	**6.033**	**1.819**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	MW-304	6.601	4.047	5	No	22	5.324	2.379	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.9	1.24	5	No	22	2.997	4.408	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-308	2.924	2.212	5	No	22	2.568	0.6635	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	23	0.09743	0.0123	95.65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2413	0.1695	4	No	24	0.2054	0.07034	4.167	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.07	4	No	23	0.12	0.1309	52.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-305	0.4	0.035	4	No	23	0.3338	0.9438	78.26	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1436	0.09225	4	No	24	0.1179	0.0503	4.167	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.00039	0.015	No	19	0.001188	0.0003392	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	19	0.001237	0.000273	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00048	0.015	No	19	0.001053	0.000402	63.16	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-305	0.0019	0.0011	0.015	No	19	0.001321	0.0001475	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0036	0.04	No	22	0.004375	0.001459	81.82	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02702	0.02091	0.04	No	22	0.0233	0.006559	4.545	None	x^2	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0044	0.04	No	22	0.004536	0.001702	68.18	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-305	0.005	0.0025	0.04	No	22	0.00436	0.001568	77.27	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0021	0.04	No	22	0.004345	0.001433	81.82	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-300	0.0002	0.00019	0.002	No	22	0.0001995	0.000002132	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.000467	0.0001779	0.002	No	22	0.0003985	0.0003052	31.82	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-305	0.00046	0.0002	0.002	No	22	0.0004095	0.0005862	77.27	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.00042	0.000087	0.002	No	22	0.0002049	0.00005374	90.91	Kaplan-Meier	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**0.6462**	**0.3113**	**0.1**	**Yes**	**8**	**0.4788**	**0.158**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0056	0.1	No	22	0.01146	0.005373	68.18	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	22	0.01372	0.004134	90.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.0077	0.1	No	22	0.01234	0.005142	77.27	None	No	0.01	NP (NDs)

Appendix IV - 300 Series - Confidence Intervals - All Results

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant Printed 12/14/2023, 3:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	MW-300	0.0045	0.00087	0.05	No	22	0.001426	0.0006927	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006194	0.003843	0.05	No	22	0.005018	0.00219	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006205	0.003957	0.05	No	21	0.005081	0.002038	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.02	0.00077	0.05	No	22	0.01355	0.04499	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.0057	0.003473	0.05	No	22	0.004745	0.002256	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-303	0.00038	0.00018	0.002	No	22	0.0002782	0.0001321	22.73	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0005	0.00015	0.002	No	22	0.0002752	0.0001636	31.82	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-308	0.0002751	0.0002059	0.002	No	22	0.0003141	0.0001154	22.73	Kaplan-Meier	sqrt(x)	0.01	Param.

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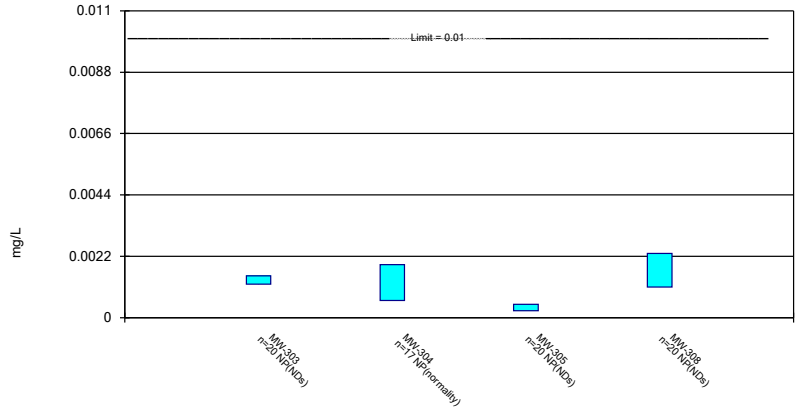
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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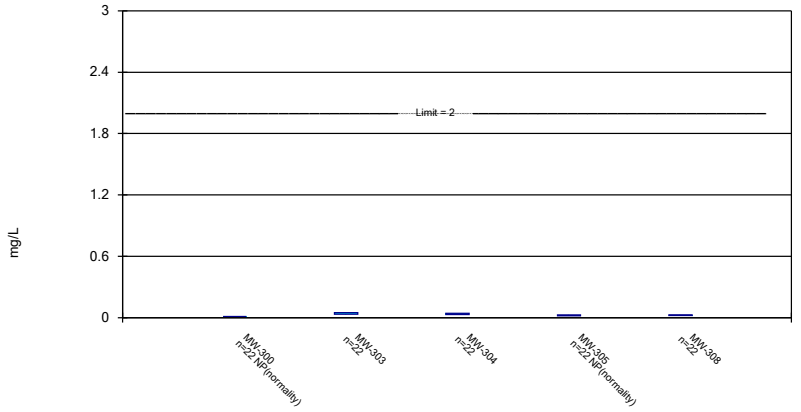
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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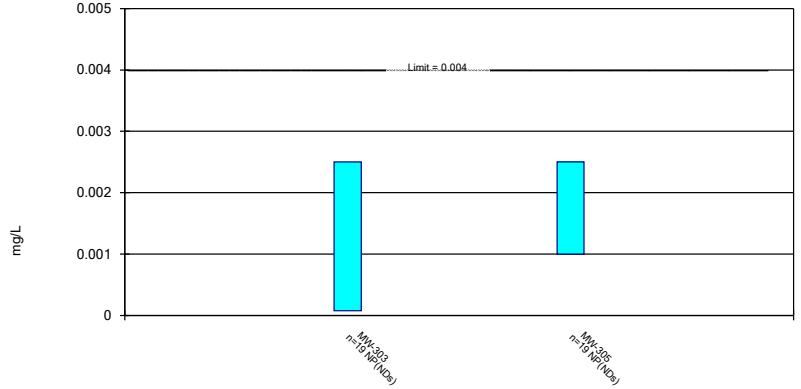
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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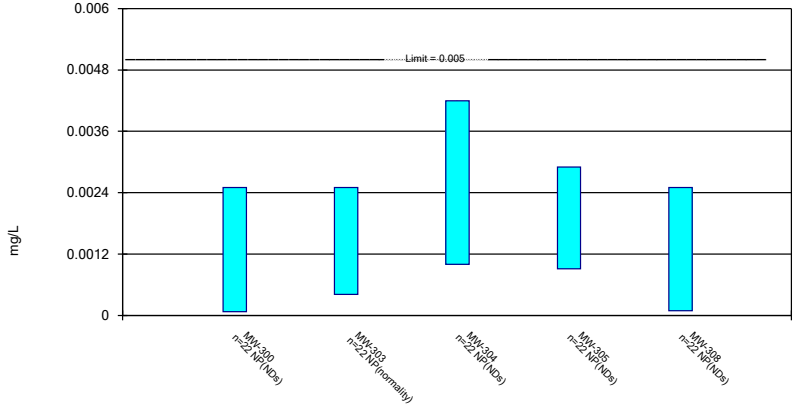
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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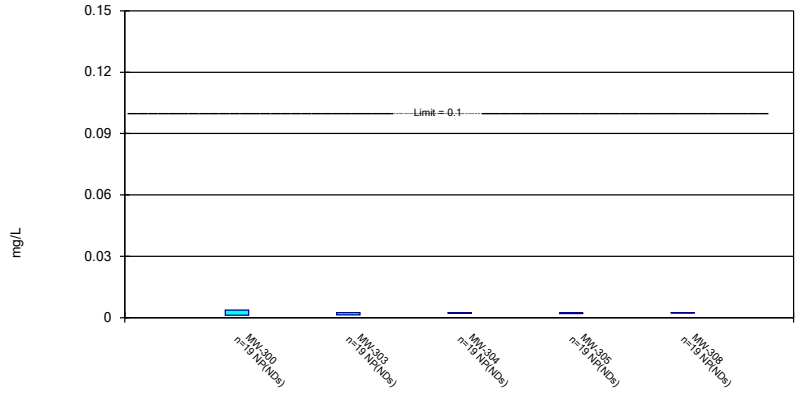
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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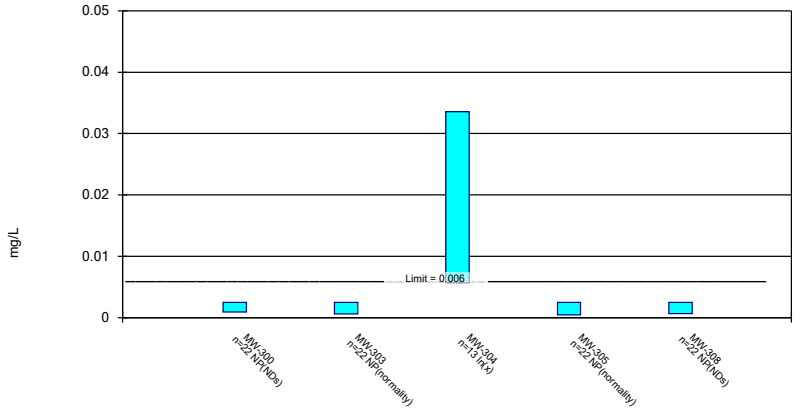
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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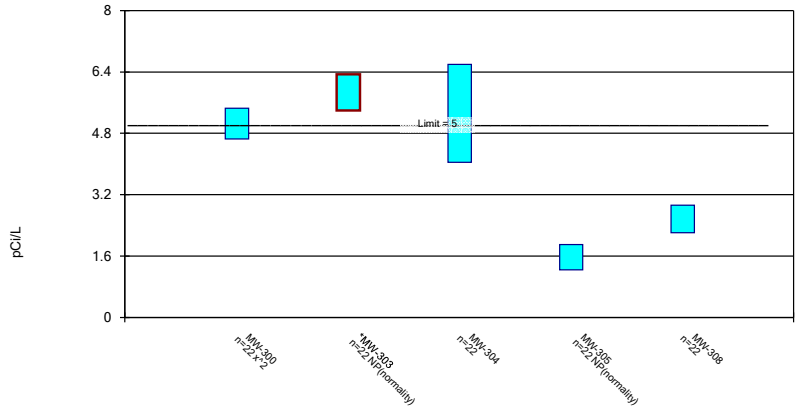
Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confiden
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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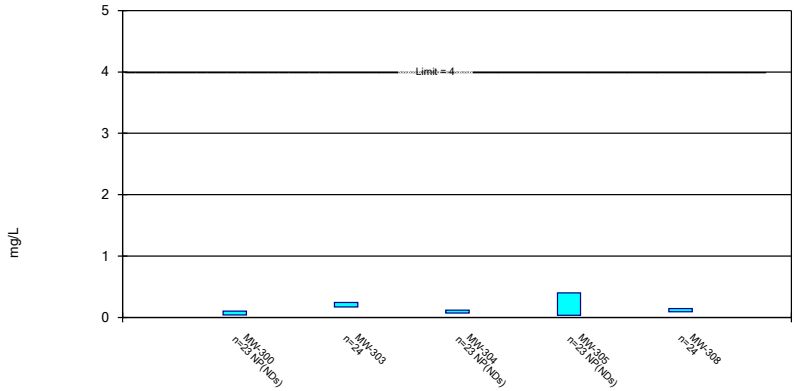
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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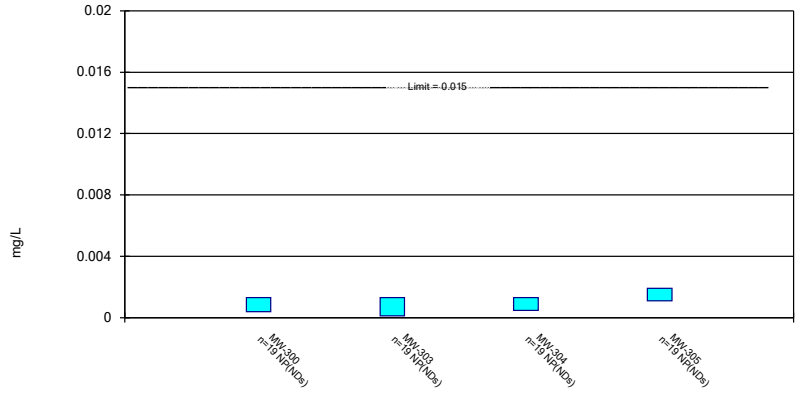
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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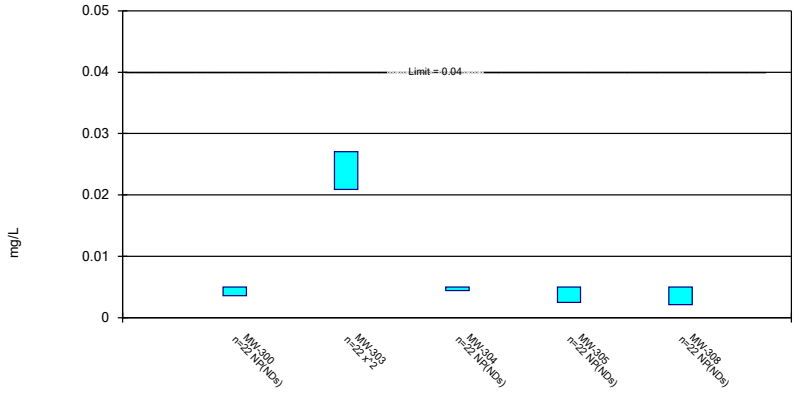
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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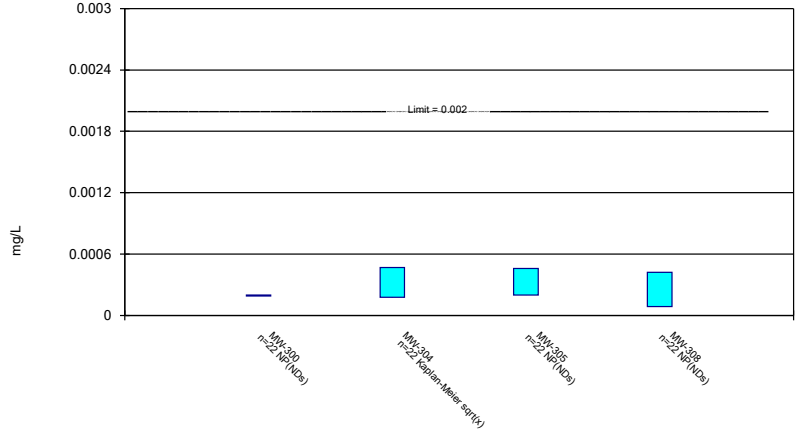
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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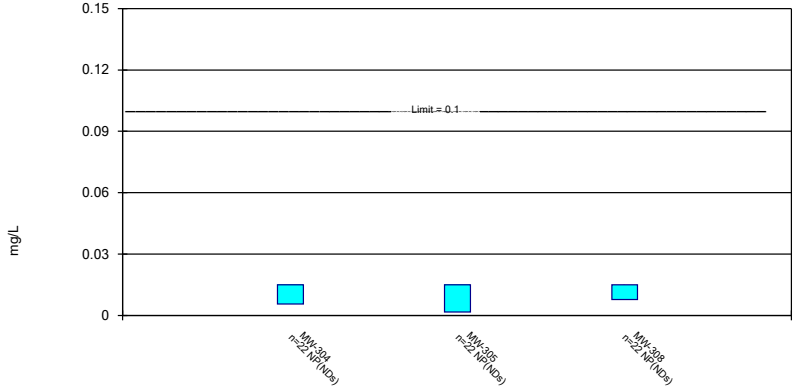
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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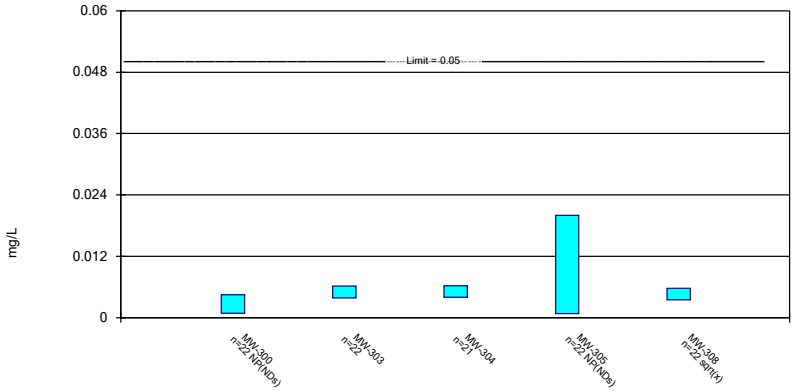
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

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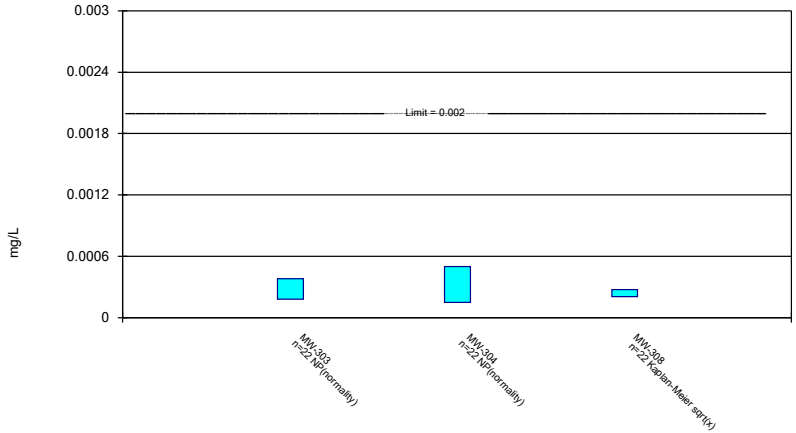
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 12/14/2023 3:52 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.0018 (J)	0.009 (o)	<0.00025	<0.0013
5/4/2016	0.0024	0.019 (o)	<0.00025	<0.0013
7/6/2016	0.0005 (J)	0.014 (o)		<0.0013
7/7/2016			<0.00025	
9/7/2016		0.005	<0.00025	<0.0013
9/8/2016	<0.0013			
11/7/2016			<0.00025	
11/8/2016	<0.0013	0.0035		<0.0013
1/10/2017	<0.0013	0.0051	<0.00025	<0.0013
3/15/2017		0.00066 (J)	<0.00025	
3/16/2017	0.0015			<0.0013
5/15/2017	0.0012 (J)			
5/16/2017		0.00094 (J)	<0.00025	<0.0013
3/13/2018	0.00082 (J)	0.00086 (J)	<0.00025	<0.0013
6/7/2018	0.0007 (J)	0.00056 (J)	<0.00025	<0.0013
10/17/2018	<0.0013	0.0005 (J)	<0.00025	<0.0013
2/27/2019				<0.0013
2/28/2019	<0.0013	<0.0013	<0.00025	
4/18/2020	<0.0013	0.00053	0.00042	0.00046
10/8/2020	0.00069 (J)			0.0011 (J)
10/9/2020		<0.0013	0.00057 (J)	
4/1/2021	<0.0013	0.00062	0.00048	<0.0013
9/7/2021	<0.0013	<0.0013	<0.00025	<0.0013
3/24/2022	<0.0013	0.0019	<0.00025	0.0023
9/12/2022	<0.0013	<0.0013		<0.0013
9/16/2022			0.092	
4/10/2023		<0.0013	0.016	
4/11/2023	<0.0013			<0.0013
9/6/2023		<0.0013	0.028	
9/7/2023	<0.0013			<0.0013
Mean	0.001261	0.001645	0.007049	0.001298
Std. Dev.	0.0004027	0.001464	0.02117	0.0003031
Upper Lim.	0.0015	0.0019	0.00048	0.0023
Lower Lim.	0.0012	0.00062	0.00025	0.0011

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

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.01 (J)	0.024	0.045	0.02	0.023
5/4/2016	0.012	0.025	0.035	0.017	0.029
7/6/2016		0.025	0.036		0.029
7/7/2016	0.012			0.018	
9/7/2016	0.011		0.026	0.017	0.029
9/8/2016		0.03			
11/7/2016				0.017	
11/8/2016	0.011	0.032	0.042		0.025
1/10/2017	0.011	0.027	0.041	0.016	0.022
3/15/2017	0.013		0.018	0.018	
3/16/2017		0.04			0.023
5/15/2017		0.028			
5/16/2017	0.011		0.026	0.016	0.02
3/13/2018	0.011	0.034	0.057	0.016	0.031
6/6/2018	0.012				
6/7/2018		0.053	0.04	0.016	0.026
10/17/2018		0.048	0.021	0.016	0.017
10/18/2018	0.01				
2/27/2019					0.024
2/28/2019	0.012	0.032	0.039	0.02	
5/31/2019	0.011	0.029	0.044	0.036	0.031
11/11/2019	0.012	0.046	0.027	0.026	0.02
4/18/2020	0.011	0.069	0.043	0.02	0.016
10/8/2020		0.076			0.022
10/9/2020	0.011		0.015	0.016	
3/31/2021	0.012				
4/1/2021		0.068	0.055	0.017	0.031
9/7/2021	0.011	0.034	0.041	0.015	0.029
3/24/2022	0.012	0.047	0.036	0.03	0.024
9/12/2022	0.011	0.044	0.022		0.019
9/16/2022				0.041	
4/10/2023	0.012		0.035	0.029	
4/11/2023		0.049			0.022
9/6/2023	0.014		0.023	0.045	
9/7/2023		0.039			0.021
Mean	0.0115	0.04086	0.03486	0.02191	0.02423
Std. Dev.	0.0009129	0.01506	0.01137	0.008793	0.004597
Upper Lim.	0.012	0.04895	0.04097	0.026	0.0267
Lower Lim.	0.011	0.03278	0.02876	0.016	0.02176

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-305
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016	<0.0025	
7/7/2016		<0.0025
9/7/2016		<0.0025
9/8/2016	<0.0025	
11/7/2016		<0.0025
11/8/2016	<0.0025	
1/10/2017	<0.0025	<0.0025
3/15/2017		<0.0025
3/16/2017	<0.0025	
5/15/2017	<0.0025	
5/16/2017		<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025
4/18/2020	7.4E-05 (J)	<0.0025
10/8/2020	<0.0025	
10/9/2020		<0.0025
4/1/2021	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025
3/24/2022	<0.0025	<0.0025
9/12/2022	<0.0025	
9/16/2022		0.001 (J)
4/10/2023		<0.0025
4/11/2023	<0.0025	
9/6/2023		0.00066 (J)
9/7/2023	<0.0025	
Mean	0.002372	0.002324
Std. Dev.	0.0005566	0.0005296
Upper Lim.	0.0025	0.0025
Lower Lim.	7.4E-05	0.001

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

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/6/2016		0.00036 (J)	<0.0025		<0.0025
7/7/2016	<0.0025			<0.0025	
9/7/2016	<0.0025		<0.0025	<0.0025	<0.0025
9/8/2016		0.00045 (J)			
11/7/2016				<0.0025	
11/8/2016	<0.0025	0.00065 (J)	<0.0025		<0.0025
1/10/2017	<0.0025	0.00051 (J)	<0.0025	<0.0025	<0.0025
3/15/2017	<0.0025		<0.0025	<0.0025	
3/16/2017		0.00049 (J)			<0.0025
5/15/2017		0.00045 (J)			
5/16/2017	<0.0025		<0.0025	<0.0025	<0.0025
3/13/2018	<0.0025	0.00041 (J)	<0.0025	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		0.00066 (J)	<0.0025	<0.0025	<0.0025
10/17/2018		0.00072 (J)	<0.0025	<0.0025	<0.0025
10/18/2018	<0.0025				
2/27/2019					<0.0025
2/28/2019	<0.0025	0.00039 (J)	<0.0025	<0.0025	
5/31/2019	<0.0025	0.00034 (J)	<0.0025	<0.0025	<0.0025
11/11/2019	<0.0025	<0.0025	0.001 (J)	<0.0025	<0.0025
4/18/2020	7.5E-05 (J)	0.00024 (J)	0.00073	7.6E-05 (J)	8.9E-05 (J)
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		<0.0025	<0.0025	
3/31/2021	<0.0025				
4/1/2021		<0.0025	<0.0025	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025	0.0042	<0.0025	<0.0025
3/24/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2022	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2022				0.0029	
4/10/2023	<0.0025		<0.0025	<0.0025	
4/11/2023		<0.0025			<0.0025
9/6/2023	<0.0025		<0.0025	0.00091 (J)	
9/7/2023		<0.0025			<0.0025
Mean	0.00239	0.001394	0.002429	0.002336	0.00239
Std. Dev.	0.000517	0.001038	0.0006234	0.0006161	0.000514
Upper Lim.	0.0025	0.0025	0.0042	0.0029	0.0025
Lower Lim.	7.5E-05	0.00041	0.001	0.00091	8.9E-05

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

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/4/2016	0.0037	<0.0025	0.0012 (J)	0.0025	<0.0025
7/6/2016		<0.0025	<0.0025		<0.0025
7/7/2016	<0.0025			<0.0025	
9/7/2016	<0.0025		<0.0025	<0.0025	<0.0025
9/8/2016		<0.0025			
11/7/2016				<0.0025	
11/8/2016	<0.0025	<0.0025	<0.0025		<0.0025
1/10/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/15/2017	<0.0025		<0.0025	<0.0025	
3/16/2017		<0.0025			<0.0025
5/15/2017		<0.0025			
5/16/2017	<0.0025		<0.0025	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		<0.0025	<0.0025	<0.0025	<0.0025
2/27/2019					<0.0025
2/28/2019	<0.0025	<0.0025	<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	0.00082
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		0.0016 (J)	0.0016 (J)	
3/31/2021	<0.0025				
4/1/2021		0.0014	<0.0025	<0.0025	<0.0025
9/7/2021	0.0012 (J)	0.0012 (J)	0.0025	0.0012 (J)	0.0022 (J)
3/24/2022	<0.0025	<0.0025	0.0021 (J)	0.002	<0.0025
9/12/2022	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2022				0.0013 (J)	
4/10/2023	<0.0025		<0.0025	<0.0025	
4/11/2023		<0.0025			<0.0025
9/6/2023	<0.0025		<0.0025	<0.0025	
9/7/2023		<0.0025			<0.0025
Mean	0.002495	0.002374	0.002363	0.002295	0.002396
Std. Dev.	0.000417	0.0003798	0.0003578	0.0004339	0.0003877
Upper Lim.	0.0037	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.0012	0.0014	0.0021	0.002	0.0022

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

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0025	<0.0025	0.19	0.00085 (J)	0.00063 (J)
5/4/2016	0.00093 (J)	0.0007 (J)	0.16	0.001 (J)	0.00056 (J)
7/6/2016		<0.0025	0.15		<0.0025
7/7/2016	<0.0025			0.00044 (J)	
9/7/2016	<0.0025		0.019	0.00052 (J)	<0.0025
9/8/2016		<0.0025			
11/7/2016				0.00046 (J)	
11/8/2016	<0.0025	0.00051 (J)	0.099		<0.0025
1/10/2017	<0.0025	<0.0025	0.077	0.00042 (J)	<0.0025
3/15/2017	<0.0025		0.0042	0.00044 (J)	
3/16/2017		0.0004 (J)			<0.0025
5/15/2017		0.00079 (J)			
5/16/2017	<0.0025		0.0067	<0.0025	<0.0025
3/13/2018	<0.0025	0.00056 (J)	0.015	<0.0025	<0.0025
6/6/2018	<0.0025				
6/7/2018		0.0007 (J)	0.014	<0.0025	<0.0025
10/17/2018		<0.0025	0.012	<0.0025	<0.0025
10/18/2018	<0.0025				
2/27/2019					<0.0025
2/28/2019	<0.0025	0.00059 (J)	0.02	0.00042 (J)	
5/31/2019	<0.0025	0.00073 (J)	0.026	0.00046 (J)	<0.0025
11/11/2019	0.00023 (J)	0.00065 (J)	0.023	0.00063 (J)	<0.0025
4/18/2020	0.00024 (J)	0.00044 (J)	0.015	0.00045 (J)	<0.0025
10/8/2020		<0.0025			<0.0025
10/9/2020	<0.0025		0.0019 (J)	<0.0025	
3/31/2021	<0.0025				
4/1/2021		<0.0025	0.0079	<0.0025	<0.0025
9/7/2021	<0.0025	<0.0025	0.3	<0.0025	<0.0025
3/24/2022	0.00024 (J)	<0.0025	0.01	0.0016	<0.0025
9/12/2022	<0.0025	<0.0025	0.012		<0.0025
9/16/2022				0.036	
4/10/2023	<0.0025		0.014	0.0085	
4/11/2023		0.00056 (J)			<0.0025
9/6/2023	<0.0025		0.0028	0.015	
9/7/2023		<0.0025			<0.0025
Mean	0.00212	0.001551	0.03528	0.00385	0.002327
Std. Dev.	0.0008354	0.0009747	0.07985	0.00792	0.0005606
Upper Lim.	0.0025	0.0025	0.03355	0.0025	0.0025
Lower Lim.	0.00093	0.00059	0.00565	0.00045	0.00063

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

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	4.62	5.43	9.46	1.67	2.29
5/4/2016	5.36	5.52	9.66	1.18	2.58
7/6/2016		12.9	2.84		3.08
7/7/2016	6.27			1.24	
9/7/2016	5.25		4.49	1.49	3.04
9/8/2016		3.73			
11/7/2016				1.32	
11/8/2016	5.64	5.61	7.47		2.96
1/10/2017	5.39	4.33	9.6	2.16	3.5
3/15/2017	5.72		2.22	1.14	
3/16/2017		6.34			2.9
5/15/2017		5.77			
5/16/2017	4.84		3.89	1.26	1.47
3/13/2018	5.59	5.94	5.25	1.29	2.96
6/6/2018	3.96				
6/7/2018		5.79	4.1	1.25	2.45
10/17/2018		6.31	3.15	1.24	2.7
10/18/2018	5.75				
2/27/2019					2.61
2/28/2019	4.82	5.4	5.21	1.55	
5/31/2019	4.06	4.37	6.03	1.9	3.62
11/11/2019	5.43	5.71	5.15	1.58	2
4/18/2020	5.09	6.89	7.33	1.55	1.34
10/8/2020		8.36			3.17
10/9/2020	4.71		1.58	0.858	
3/31/2021	4.44				
4/1/2021		6.31	6.79	1.23	2.27
9/7/2021	5.47	6.02	6.19	1.6	2.42
3/24/2022	5.39	5.28	6.01	3	3.16
9/12/2022	5.46	4.49	3.54		2.84
9/16/2022				20	
4/10/2023	1.95		5.02	6.83	
4/11/2023		6.62			1.17
9/6/2023	4.71		2.15	10.6	
9/7/2023		5.6			1.96
Mean	4.996	6.033	5.324	2.997	2.568
Std. Dev.	0.8871	1.819	2.379	4.408	0.6635
Upper Lim.	5.456	6.34	6.601	1.9	2.924
Lower Lim.	4.654	5.4	4.047	1.24	2.212

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	0.041 (J)	0.15	0.12	0.035 (J)	0.11
5/4/2016	<0.1	0.11	0.19	<0.1	0.07 (J)
7/6/2016		0.13	0.15		0.07 (J)
7/7/2016	<0.1			<0.1	
9/7/2016	<0.1		0.06 (J)	<0.1	0.06 (J)
9/8/2016		0.12			
11/7/2016				<0.1	
11/8/2016	<0.1	0.13	0.09 (J)		0.06 (J)
1/10/2017	<0.1	0.15	<0.1	<0.1	0.04 (J)
3/15/2017	<0.1		<0.1	<0.1	
3/16/2017		0.16			0.06 (J)
5/15/2017		0.2			
5/16/2017	<0.1		0.04 (J)	<0.1	0.09 (J)
10/3/2017	<0.1	0.25	0.07 (J)	<0.1	0.13
12/20/2017		0.25			0.1
3/13/2018	<0.1	0.26	<0.1	<0.1	0.1
6/6/2018	<0.1				
6/7/2018		0.28	<0.1	<0.1	0.14
10/17/2018		0.29	0.06 (J)	<0.1	0.14
10/18/2018	<0.1				
2/27/2019					0.16
2/28/2019	<0.1	0.28	<0.1	<0.1	
5/31/2019	<0.1	0.33	<0.1	<0.1	0.2
11/11/2019	<0.1	0.26	<0.1	<0.1	0.16
4/18/2020	<0.1	0.25	<0.1	<0.1	0.17
10/8/2020		<0.1			0.07 (J)
10/9/2020	<0.1		0.04 (J)	<0.1	
3/31/2021	<0.1				
4/1/2021		0.26	0.04	0.032	0.19
9/7/2021	<0.1	0.24	0.7	<0.1	0.17
3/24/2022	<0.1	0.22	<0.1	<0.1	0.14
9/12/2022	<0.1	0.15 (J)	<0.1		<0.1
9/16/2022				4.6	
4/10/2023	<0.1		<0.1	0.81	
4/11/2023		0.19			0.17
9/6/2023	<0.1		<0.1	0.4	
9/7/2023		0.22			0.18
Mean	0.09743	0.2054	0.12	0.3338	0.1179
Std. Dev.	0.0123	0.07034	0.1309	0.9438	0.0503
Upper Lim.	0.1	0.2413	0.12	0.4	0.1436
Lower Lim.	0.041	0.1695	0.07	0.035	0.09225

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

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305
3/3/2016	<0.0013	<0.0013	<0.0013	<0.0013
5/4/2016	<0.0013	<0.0013	0.00086 (J)	<0.0013
7/6/2016		<0.0013	0.0014	
7/7/2016	<0.0013			<0.0013
9/7/2016	<0.0013		0.00056 (J)	<0.0013
9/8/2016		<0.0013		
11/7/2016				<0.0013
11/8/2016	<0.0013	<0.0013	0.00047 (J)	
1/10/2017	<0.0013	<0.0013	0.00041 (J)	<0.0013
3/15/2017	<0.0013		<0.0013	<0.0013
3/16/2017		<0.0013		
5/15/2017		<0.0013		
5/16/2017	<0.0013		<0.0013	<0.0013
3/13/2018	<0.0013	<0.0013	<0.0013	<0.0013
6/6/2018	<0.0013			
6/7/2018		<0.0013	<0.0013	<0.0013
2/28/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/18/2020	8.3E-05 (J)	0.00011 (J)	0.00022 (J)	<0.0013
10/8/2020		<0.0013		
10/9/2020	<0.0013		0.00048 (J)	<0.0013
3/31/2021	0.00039			
4/1/2021		<0.0013	<0.0013	<0.0013
9/7/2021	<0.0013	<0.0013	<0.0013	<0.0013
3/24/2022	<0.0013	<0.0013	<0.0013	<0.0013
9/12/2022	<0.0013	<0.0013	<0.0013	
9/16/2022				0.0019
4/10/2023	<0.0013		<0.0013	<0.0013
4/11/2023		<0.0013		
9/6/2023	<0.0013		<0.0013	0.0011 (J)
9/7/2023		<0.0013		
Mean	0.001188	0.001237	0.001053	0.001321
Std. Dev.	0.0003392	0.000273	0.000402	0.0001475
Upper Lim.	0.0013	0.0013	0.0013	0.0019
Lower Lim.	0.00039	0.00011	0.00048	0.0011

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

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.005	0.037	<0.005	<0.005	<0.005
5/4/2016	<0.005	0.029	<0.005	<0.005	<0.005
7/6/2016		0.024	0.0044 (J)		<0.005
7/7/2016	<0.005			<0.005	
9/7/2016	<0.005		<0.005	<0.005	<0.005
9/8/2016		0.022			
11/7/2016				<0.005	
11/8/2016	<0.005	0.026	<0.005		<0.005
1/10/2017	<0.005	0.024	<0.005	<0.005	<0.005
3/15/2017	<0.005		<0.005	<0.005	
3/16/2017		0.029			<0.005
5/15/2017		0.025			
5/16/2017	<0.005		<0.005	<0.005	<0.005
3/13/2018	<0.005	0.03	<0.005	<0.005	<0.005
6/6/2018	<0.005				
6/7/2018		0.025	0.0012 (J)	0.0014 (J)	0.0011 (J)
10/17/2018		0.024	<0.005	<0.005	<0.005
10/18/2018	<0.005				
2/27/2019					0.0011 (J)
2/28/2019	<0.005	0.021	<0.005	<0.005	
5/31/2019	0.0014 (J)	0.021	0.0023 (J)	<0.005	0.0021 (J)
11/11/2019	0.00062 (J)	0.023	0.0034	0.00054 (J)	0.0013
4/18/2020	0.00062 (J)	0.023	0.0012	0.00047 (J)	<0.005
10/8/2020		0.029			<0.005
10/9/2020	<0.005		<0.005	<0.005	
3/31/2021	0.0036				
4/1/2021		0.022	0.0027	0.0025	<0.005
9/7/2021	<0.005	0.023	0.0096	<0.005	<0.005
3/24/2022	<0.005	0.021	<0.005	<0.005	<0.005
9/12/2022	<0.005	<0.005	<0.005		<0.005
9/16/2022				0.006	
4/10/2023	<0.005		<0.005	<0.005	
4/11/2023		0.016			<0.005
9/6/2023	<0.005		<0.005	<0.005	
9/7/2023		0.016			<0.005
Mean	0.004375	0.0233	0.004536	0.00436	0.004345
Std. Dev.	0.001459	0.006559	0.001702	0.001568	0.001433
Upper Lim.	0.005	0.02702	0.005	0.005	0.005
Lower Lim.	0.0036	0.02091	0.0044	0.0025	0.0021

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

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-304	MW-305	MW-308
3/3/2016	<0.0002	8.6E-05 (J)	<0.0002	<0.0002
5/4/2016	<0.0002	0.00026	<0.0002	<0.0002
7/6/2016		0.0012		<0.0002 (*)
7/7/2016	<0.0002		<0.0002	
9/7/2016	<0.0002	<0.0002	<0.0002	<0.0002
11/7/2016			<0.0002	
11/8/2016	<0.0002	0.00065		<0.0002
1/10/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/15/2017	<0.0002	<0.0002	<0.0002	
3/16/2017				<0.0002
5/16/2017	<0.0002	0.00042	<0.0002	<0.0002
3/13/2018	<0.0002	0.00039	<0.0002	<0.0002
6/6/2018	<0.0002			
6/7/2018		0.00033	<0.0002	<0.0002
10/17/2018		0.00041	<0.0002	<0.0002
10/18/2018	<0.0002			
2/27/2019				<0.0002
2/28/2019	<0.0002	0.00055	<0.0002	
5/31/2019	<0.0002	0.00054	<0.0002	<0.0002
11/11/2019	<0.0002	0.0011	<0.0002	<0.0002
4/18/2020	<0.0002	0.00082	<0.0002	<0.0002
10/8/2020				8.7E-05 (J)
10/9/2020	<0.0002	0.00033	0.00014 (J)	
3/31/2021	0.00019			
4/1/2021		0.00012	<0.0002	0.00042
9/7/2021	<0.0002	<0.0002	<0.0002	<0.0002
3/24/2022	<0.0002	<0.0002	0.0018	<0.0002
9/12/2022	<0.0002	0.00016 (J)		<0.0002
9/16/2022			0.0025	
4/10/2023	<0.0002	<0.0002	0.00046	
4/11/2023				<0.0002
9/6/2023	<0.0002	<0.0002	0.00071	
9/7/2023				<0.0002
Mean	0.0001995	0.0003985	0.0004095	0.0002049
Std. Dev.	2.132E-06	0.0003052	0.0005862	5.374E-05
Upper Lim.	0.0002	0.000467	0.00046	0.00042
Lower Lim.	0.00019	0.0001779	0.0002	8.7E-05

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

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-308
3/3/2016	<0.015	<0.015	<0.015
5/4/2016	<0.015	<0.015	<0.015
7/6/2016	0.0018 (J)		<0.015
7/7/2016		<0.015	
9/7/2016	0.0029 (J)	<0.015	<0.015
11/7/2016		<0.015	
11/8/2016	<0.015		<0.015
1/10/2017	<0.015 (*)	<0.015	<0.015
3/15/2017	<0.015	<0.015	
3/16/2017			<0.015
5/16/2017	<0.015 (*)	<0.015 (*)	<0.015
3/13/2018	0.0033 (J)	<0.015	<0.015
6/7/2018	0.0065 (J)	0.0016 (J)	0.00098 (J)
10/17/2018	0.0043 (J)	<0.015	<0.015
2/27/2019			<0.015
2/28/2019	0.0028 (J)	<0.015	
5/31/2019	<0.015	<0.015	<0.015
11/11/2019	0.0056 (J)	<0.015	<0.015
4/18/2020	<0.015	<0.015	<0.015
10/8/2020			<0.015
10/9/2020	<0.015	<0.015	
4/1/2021	<0.015	<0.015	<0.015
9/7/2021	<0.015	<0.015	<0.015
3/24/2022	<0.015	0.00033 (J)	0.002 (J)
9/12/2022	<0.015		0.0022 (J)
9/16/2022		<0.015	
4/10/2023	<0.015	<0.015	
4/11/2023			0.0037 (J)
9/6/2023	<0.015	<0.015	
9/7/2023			0.0077 (J)
Mean	0.01146	0.01372	0.01234
Std. Dev.	0.005373	0.004134	0.005142
Upper Lim.	0.015	0.015	0.015
Lower Lim.	0.0056	0.0016	0.0077

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

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-300	MW-303	MW-304	MW-305	MW-308
3/3/2016	<0.0013	0.008	0.0041 (J)	<0.0013	0.0051 (J)
5/4/2016	<0.0013	0.0068	0.008	<0.0013	0.0049
7/6/2016		0.0061	0.0056		0.0066
7/7/2016	<0.0013			<0.0013	
9/7/2016	<0.0013		0.0045	<0.0013	0.0073
9/8/2016		0.0065			
11/7/2016				<0.0013	
11/8/2016	<0.0013	0.0046	0.0055		0.0058
1/10/2017	<0.0013	0.0045	0.0056	<0.0013	0.0058
3/15/2017	<0.0013		0.0088	<0.0013	
3/16/2017		0.0079			0.006
5/15/2017		0.0064			
5/16/2017	<0.0013		0.0029	<0.0013	0.0058
3/13/2018	<0.0013	0.0037	0.0065	<0.0013	0.0048
6/6/2018	<0.0013				
6/7/2018		0.0054	0.0047	<0.0013	0.0061
10/17/2018		0.0026	0.05 (o)	<0.0013	0.0023
10/18/2018	<0.0013				
2/27/2019					0.0033
2/28/2019	<0.0013	0.002	0.0011 (J)	<0.0013	
5/31/2019	<0.0013	0.0041	0.0045	<0.0013	0.0031
11/11/2019	<0.0013	0.0031	0.0067	0.00027	0.002
4/18/2020	<0.0013	0.0035	0.0066	<0.0013	0.0021
10/8/2020		0.0014			0.0047
10/9/2020	<0.0013		0.0057	<0.0013	
3/31/2021	<0.0013				
4/1/2021		0.004	0.0038	<0.0013	0.0027
9/7/2021	<0.0013	0.0046	0.0069	<0.0013	0.0045
3/24/2022	<0.0013	0.0042	0.0025	0.00077	0.0028
9/12/2022	0.0045	0.011	0.0075		0.012
9/16/2022				0.21	
4/10/2023	0.00087 (J)		0.0021	0.02	
4/11/2023		0.0053			0.0036
9/6/2023	<0.0013		0.0031	0.045	
9/7/2023		0.0047			0.0031
Mean	0.001426	0.005018	0.005081	0.01355	0.004745
Std. Dev.	0.0006927	0.00219	0.002038	0.04499	0.002256
Upper Lim.	0.0045	0.006194	0.006205	0.02	0.0057
Lower Lim.	0.00087	0.003843	0.003957	0.00077	0.003473

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

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

	MW-303	MW-304	MW-308
3/3/2016	0.00023 (J)	0.00015 (J)	0.00023 (J)
5/4/2016	0.00021 (J)	0.00021 (J)	0.00026 (J)
7/6/2016	0.00016 (J)	0.00022 (J)	0.00032 (J)
9/7/2016		0.0001 (J)	0.00036 (J)
9/8/2016	0.00015 (J)		
11/8/2016	0.00017 (J)	0.00014 (J)	0.00032 (J)
1/10/2017	0.00018 (J)	0.00018 (J)	0.00033 (J)
3/15/2017		<0.0005	
3/16/2017	0.00024 (J)		0.00029 (J)
5/15/2017	0.00022 (J)		
5/16/2017		9.5E-05 (J)	0.00027 (J)
3/13/2018	0.00022 (J)	0.00017 (J)	0.00028 (J)
6/7/2018	0.00022 (J)	0.00017 (J)	0.00026 (J)
10/17/2018	0.00019 (J)	0.00011 (J)	0.00022 (J)
2/27/2019			0.00022 (J)
2/28/2019	0.00018 (J)	0.00016 (J)	
5/31/2019	<0.0005	<0.0005	<0.0005
11/11/2019	0.00023 (J)	0.00029 (J)	0.00023 (J)
4/18/2020	0.00027	0.00026	0.00016
10/8/2020	0.00038 (J)		0.00031 (J)
10/9/2020		0.00015 (J)	
4/1/2021	0.00022	<0.0005	0.00019
9/7/2021	0.00015 (J)	0.00015 (J)	0.00016 (J)
3/24/2022	<0.0005	<0.0005	<0.0005
9/12/2022	<0.0005	<0.0005	<0.0005
4/10/2023		<0.0005	
4/11/2023	<0.0005		<0.0005
9/6/2023		<0.0005	
9/7/2023	<0.0005		<0.0005
Mean	0.0002782	0.0002752	0.0003141
Std. Dev.	0.0001321	0.0001636	0.0001154
Upper Lim.	0.00038	0.0005	0.0002751
Lower Lim.	0.00018	0.00015	0.0002059

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

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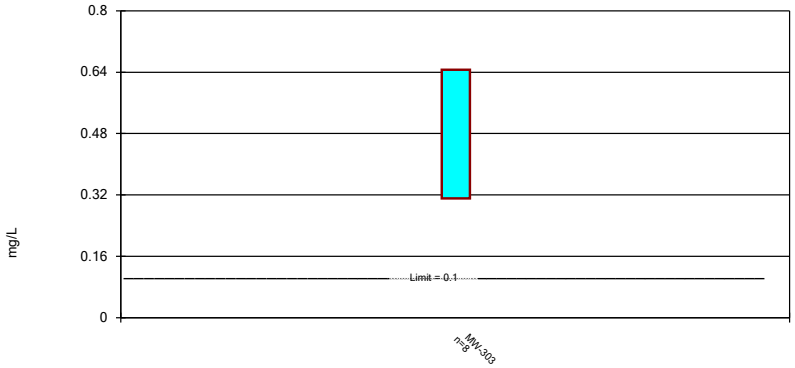
Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 12/14/2023 3:53 PM View: 300 Series - Confidence Intervals
Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2023 3:54 PM View: 300 Series - Confidence Intervals

Gulf Clean Energy Center Client: FPL Data: Gulf Clean Energy Plant

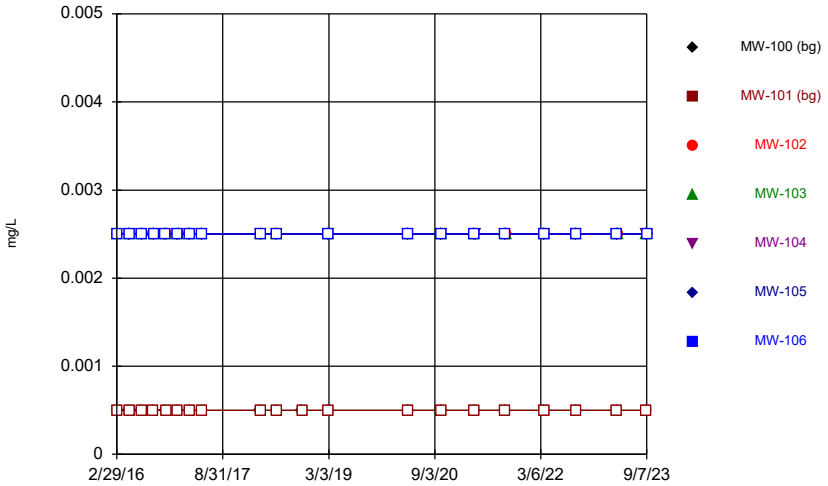
	MW-303
4/18/2020	0.81
10/8/2020	0.5
4/1/2021	0.49
9/7/2021	0.44
3/24/2022	0.53
9/12/2022	0.44
4/11/2023	0.34
9/7/2023	0.28
Mean	0.4788
Std. Dev.	0.158
Upper Lim.	0.6462
Lower Lim.	0.3113

Time Series - 100, 200 & 300 Series

100 Series

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

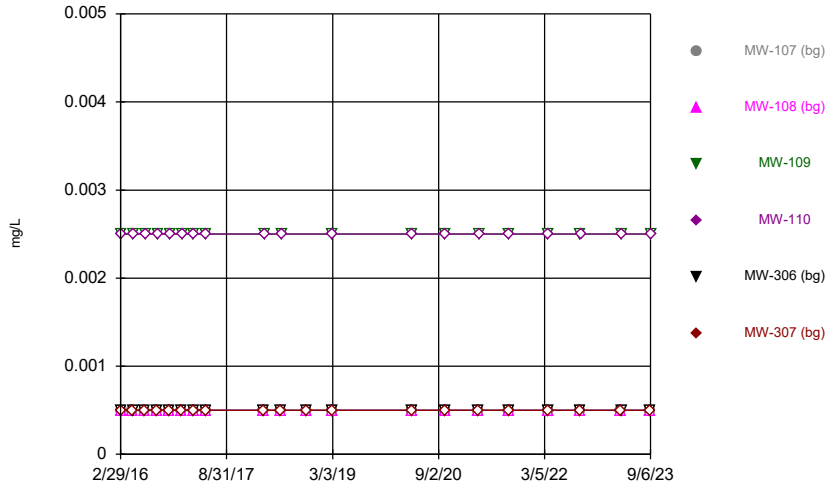
Time Series



Constituent: Antimony Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

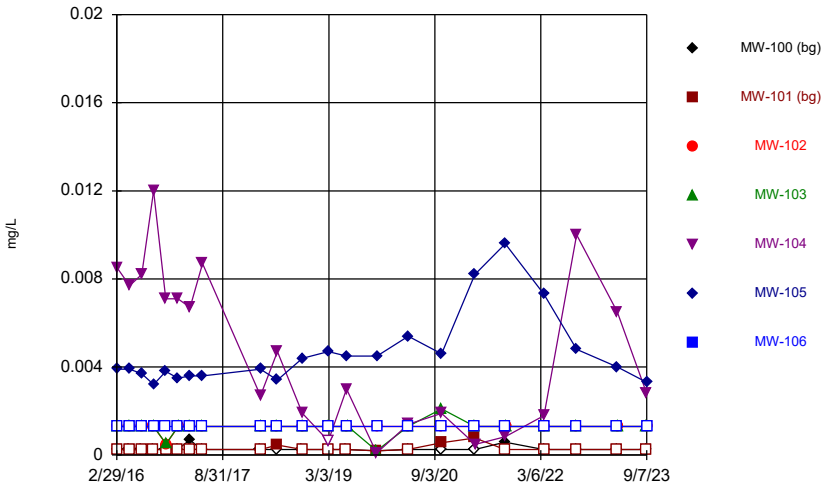
Time Series



Constituent: Antimony Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

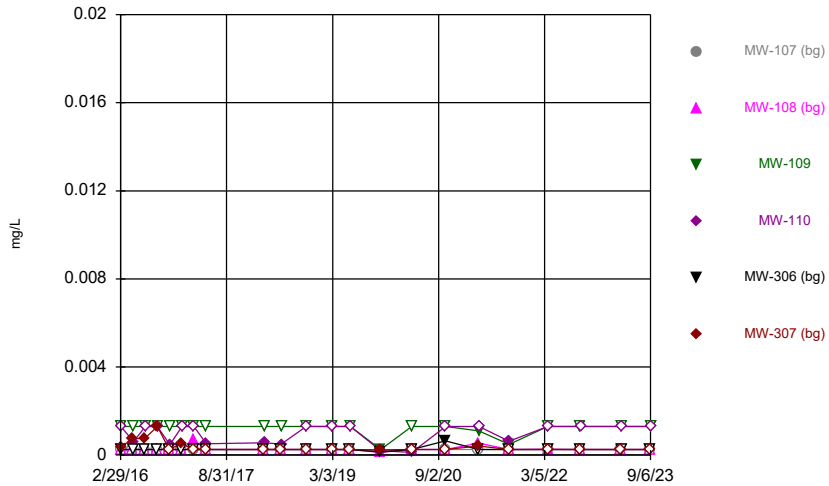
Time Series



Constituent: Arsenic Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

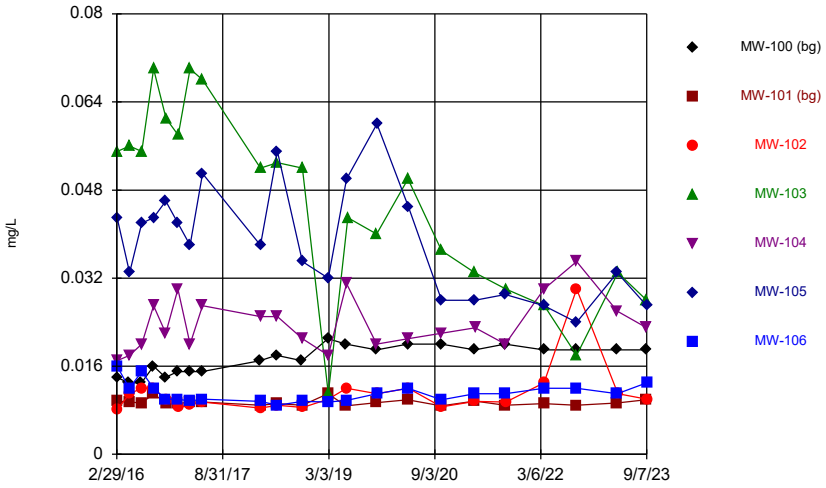
Time Series



Constituent: Arsenic Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

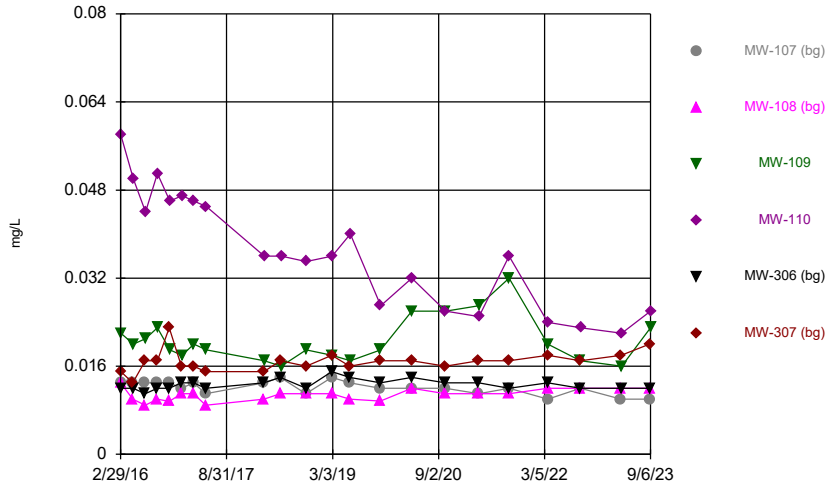
Time Series



Constituent: Barium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

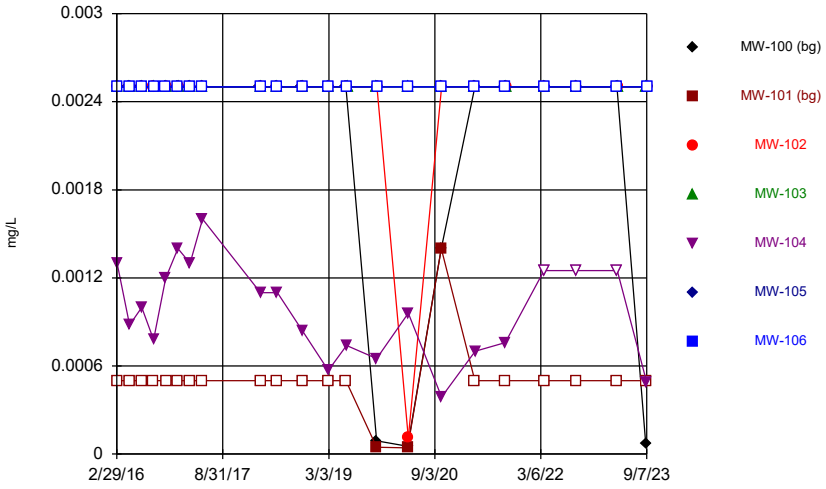
Time Series



Constituent: Barium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

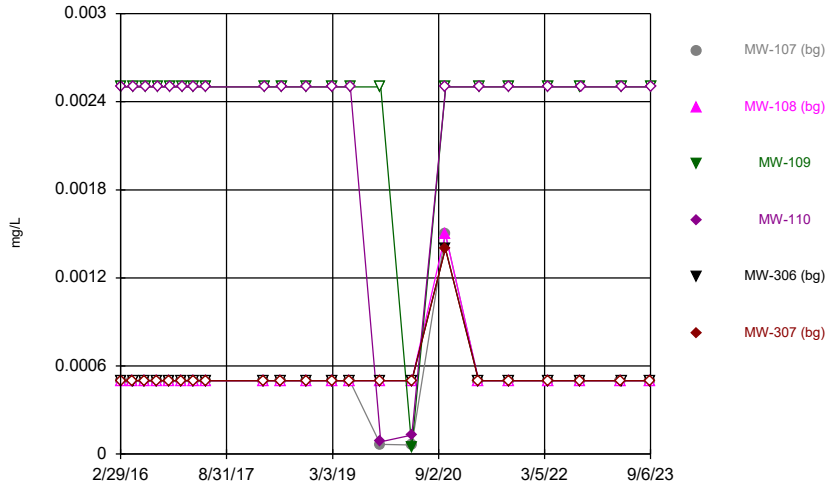
Time Series



Constituent: Beryllium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

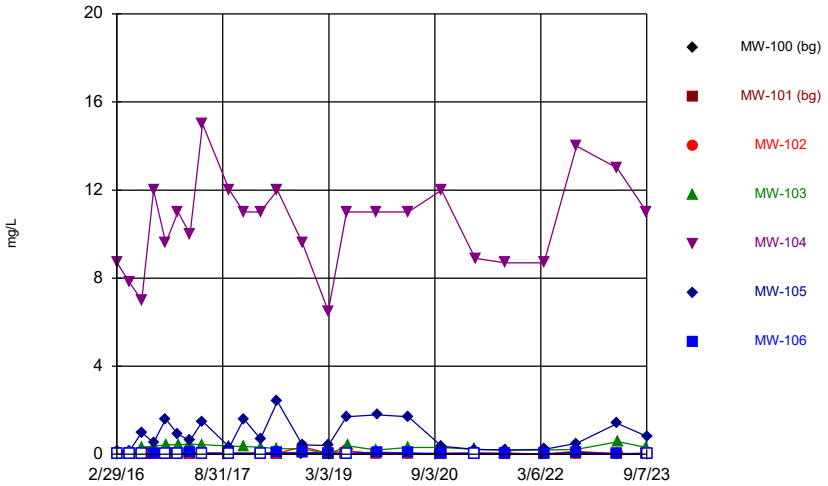
Time Series



Constituent: Beryllium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

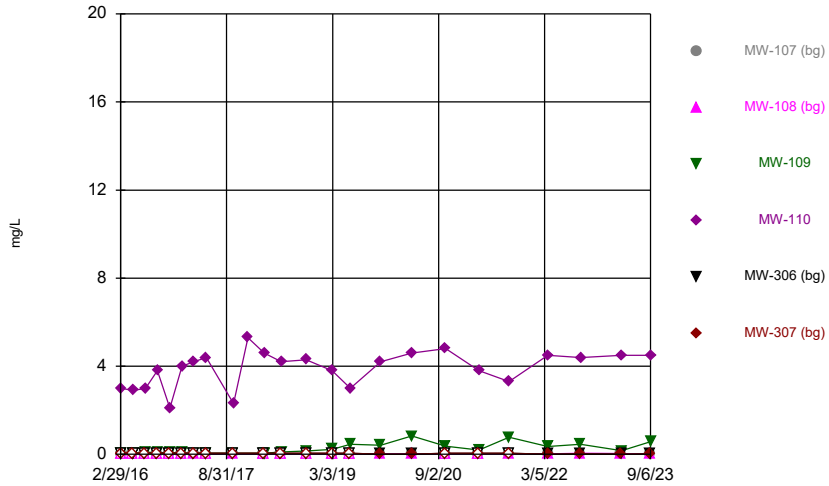
Time Series



Constituent: Boron Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

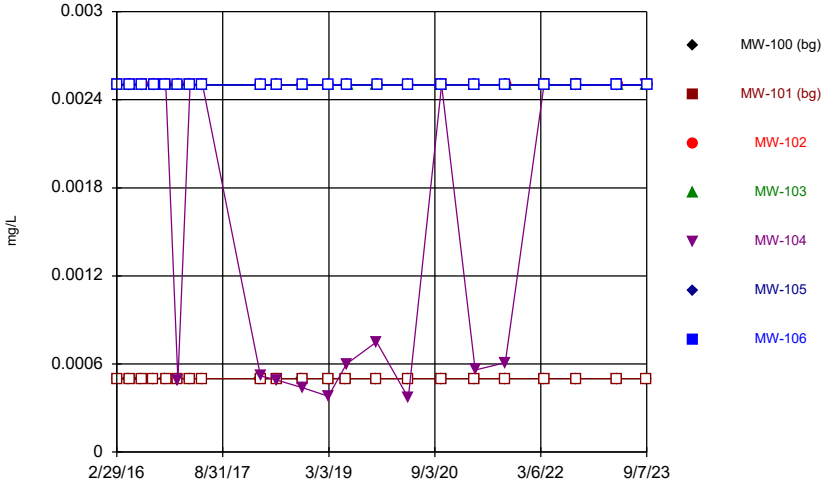
Time Series



Constituent: Boron Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

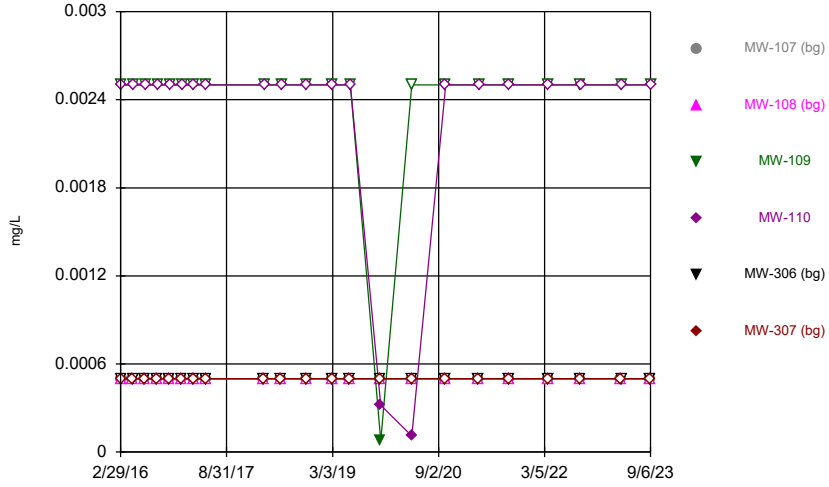
Time Series



Constituent: Cadmium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

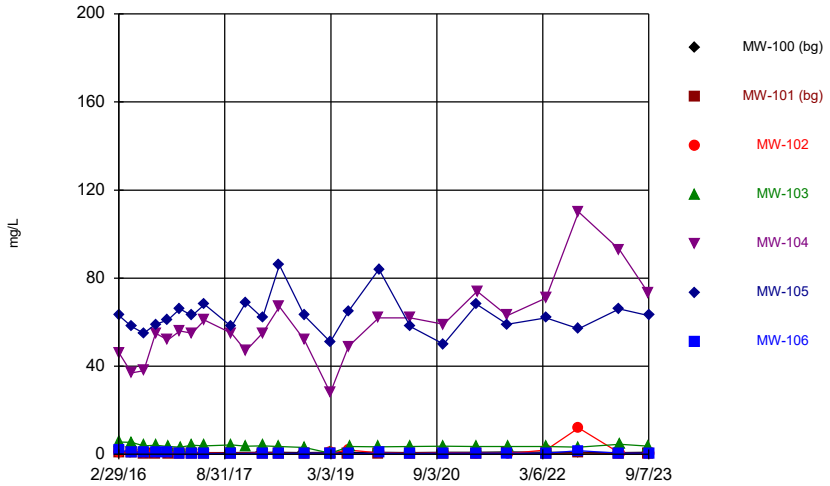
Time Series



Constituent: Cadmium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

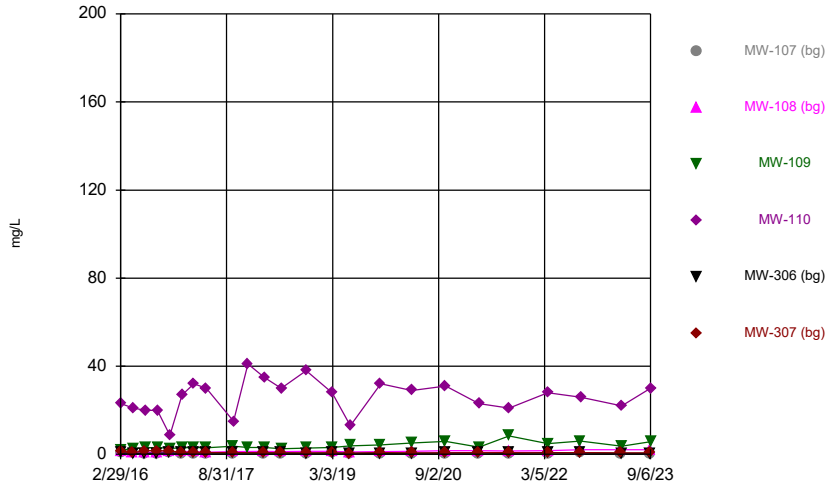
Time Series



Constituent: Calcium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

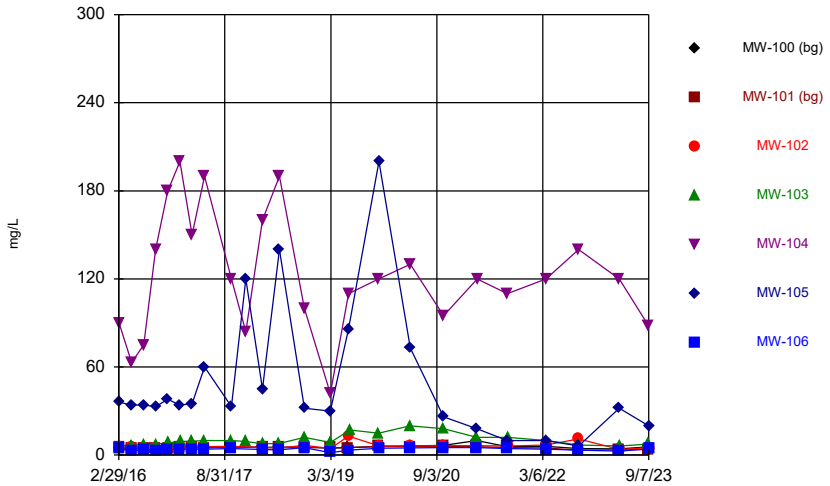
Time Series



Constituent: Calcium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

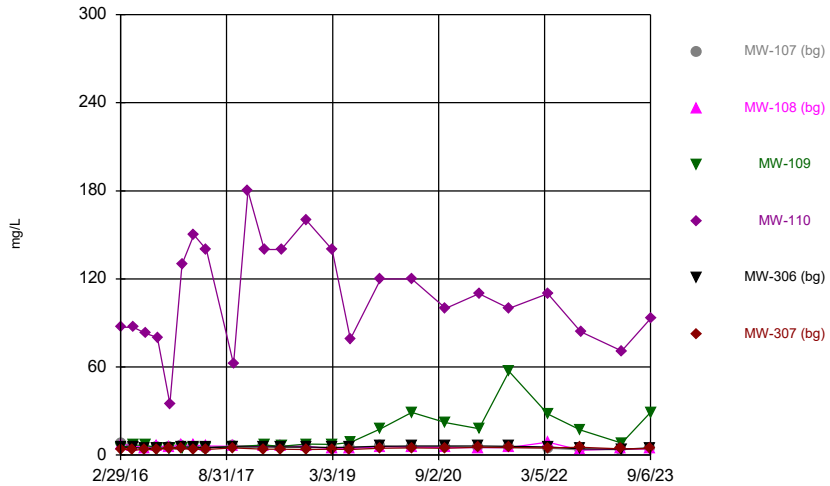
Time Series



Constituent: Chloride Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

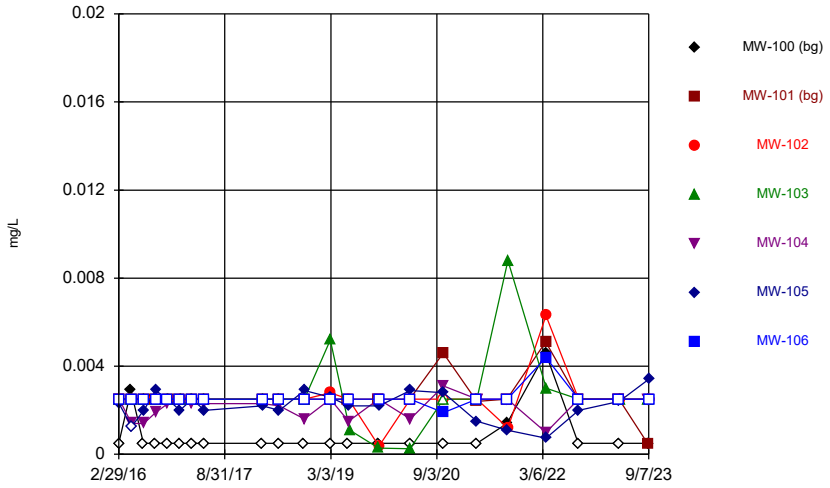
Time Series



Constituent: Chloride Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

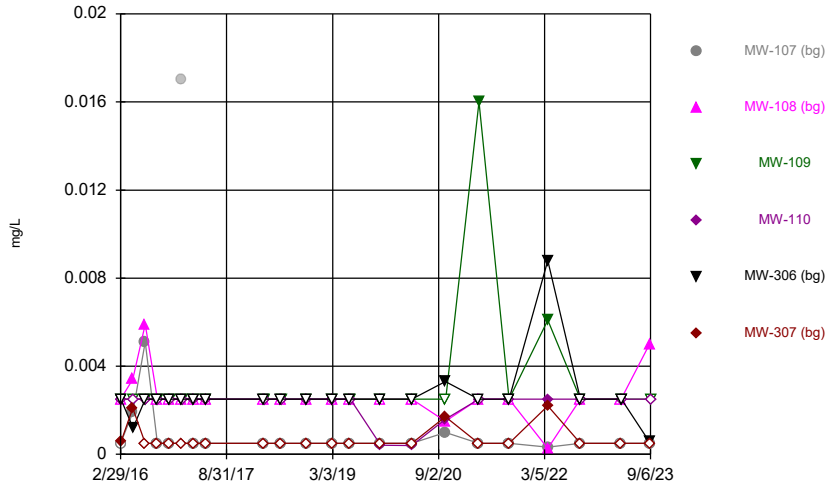
Time Series



Constituent: Chromium Analysis Run 11/29/2023 5:00 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

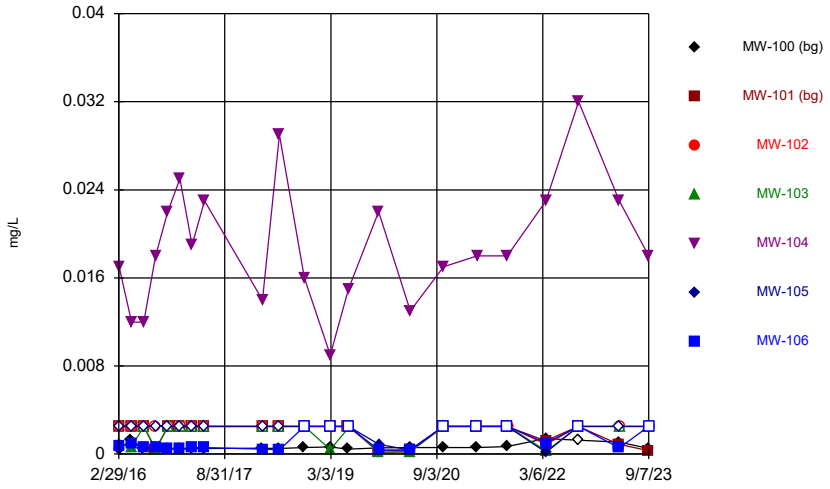
Time Series



Constituent: Chromium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

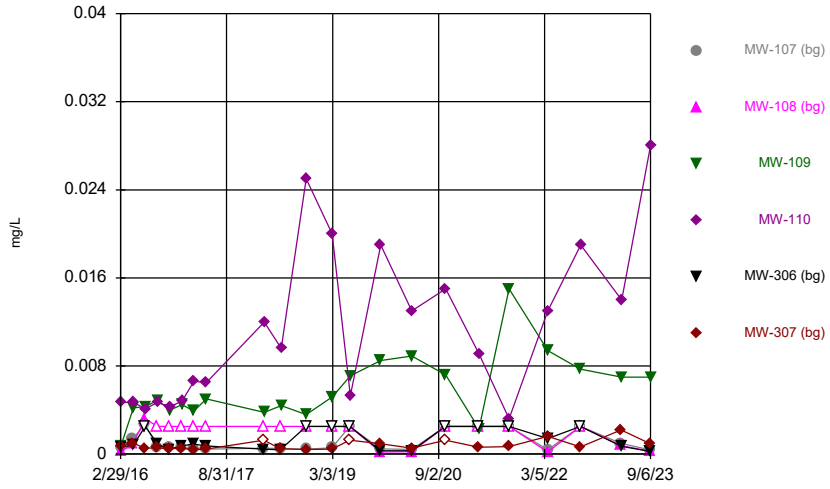
Time Series



Constituent: Cobalt Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

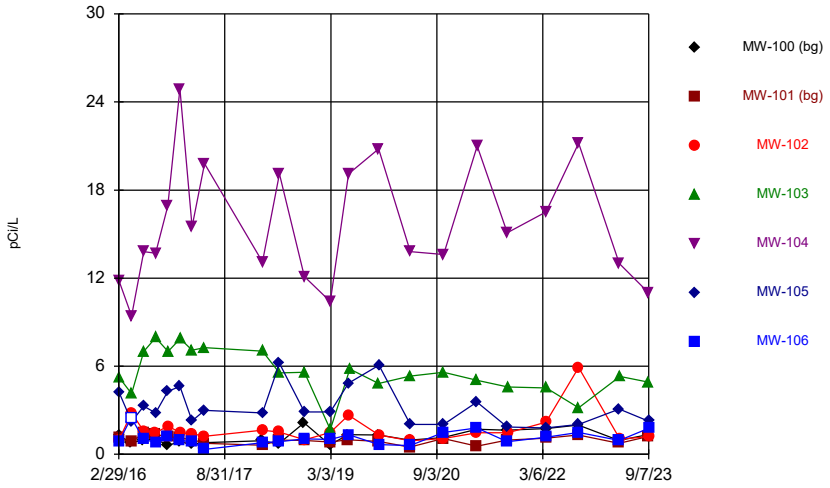
Time Series



Constituent: Cobalt Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

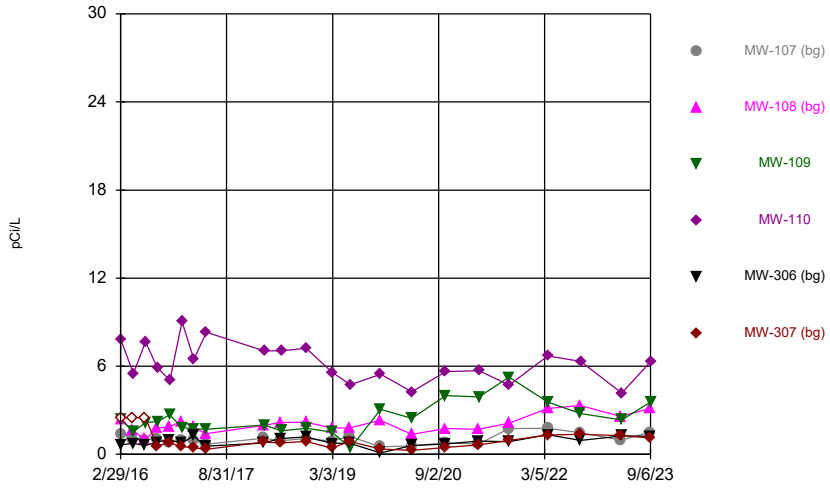
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

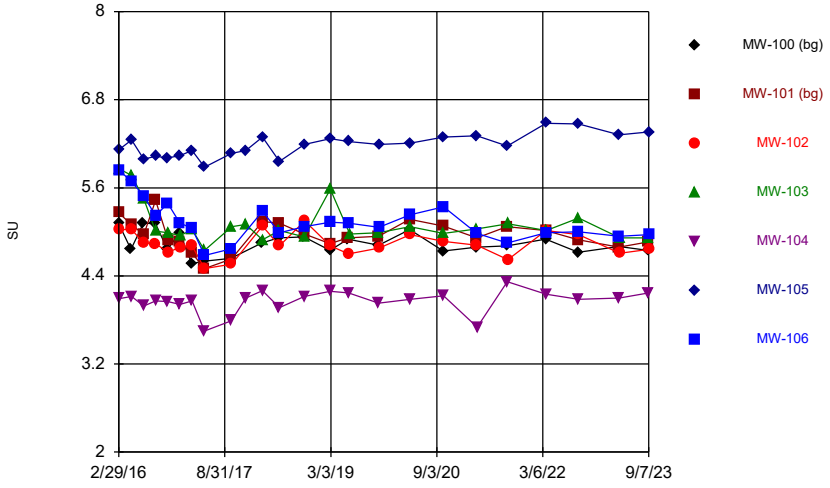
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

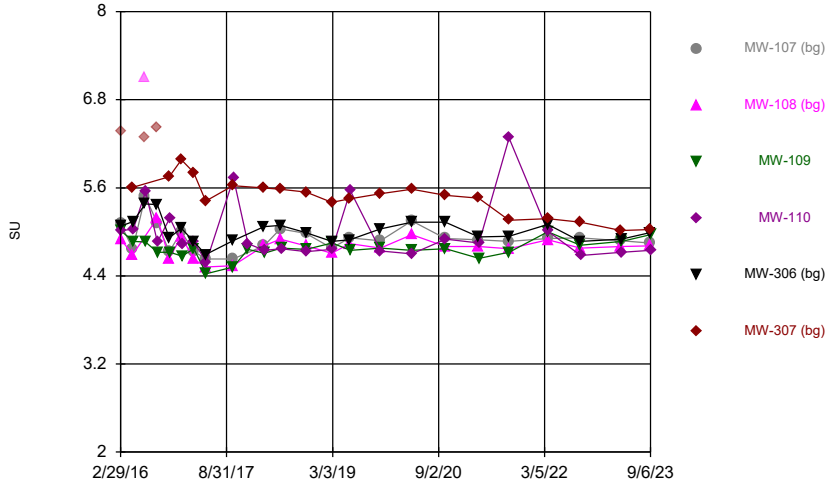
Time Series



Constituent: Field pH Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

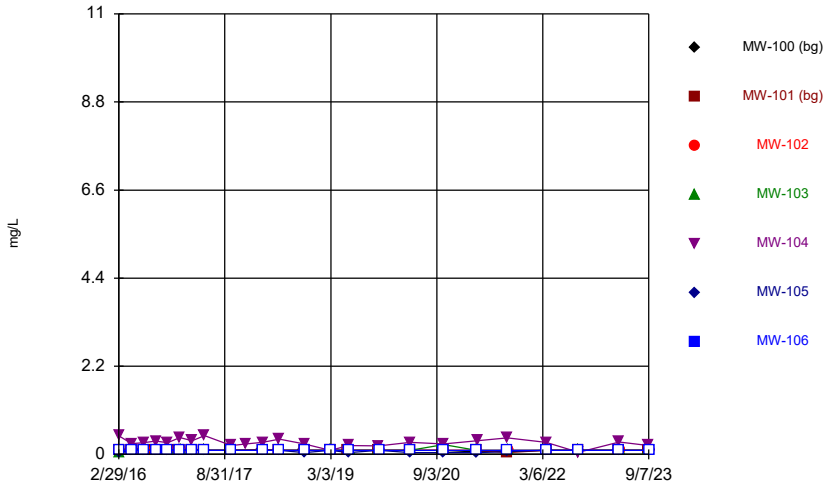
Time Series



Constituent: Field pH Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

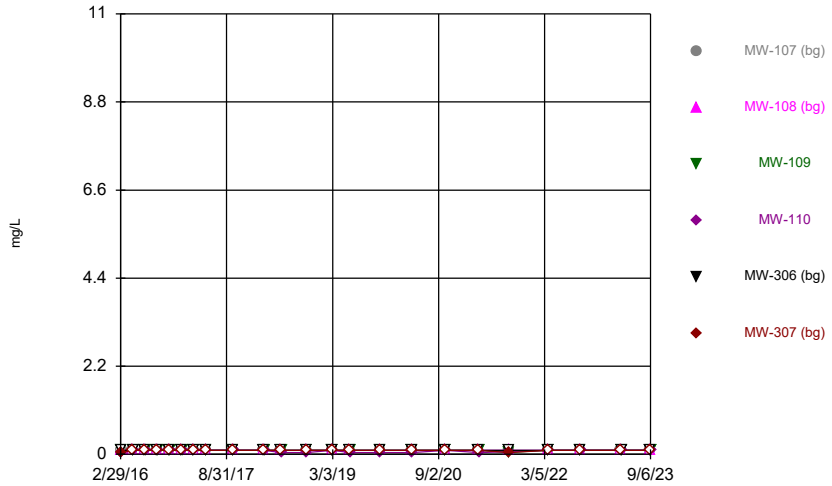
Time Series



Constituent: Fluoride Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

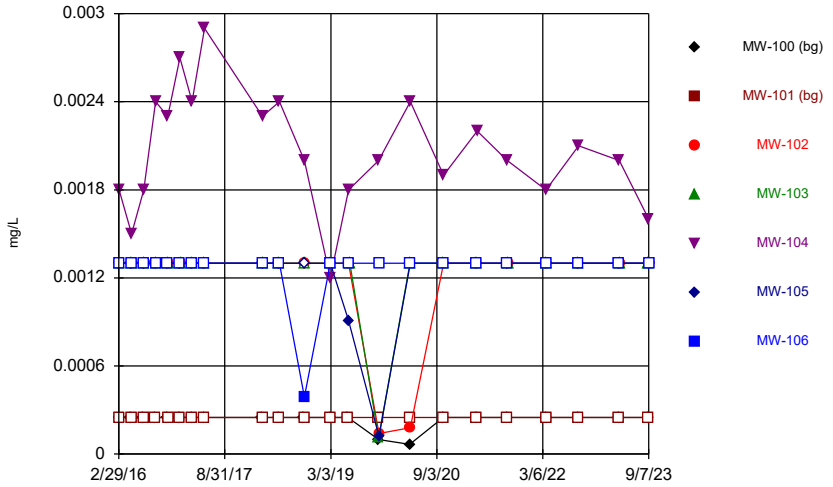
Time Series



Constituent: Fluoride Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

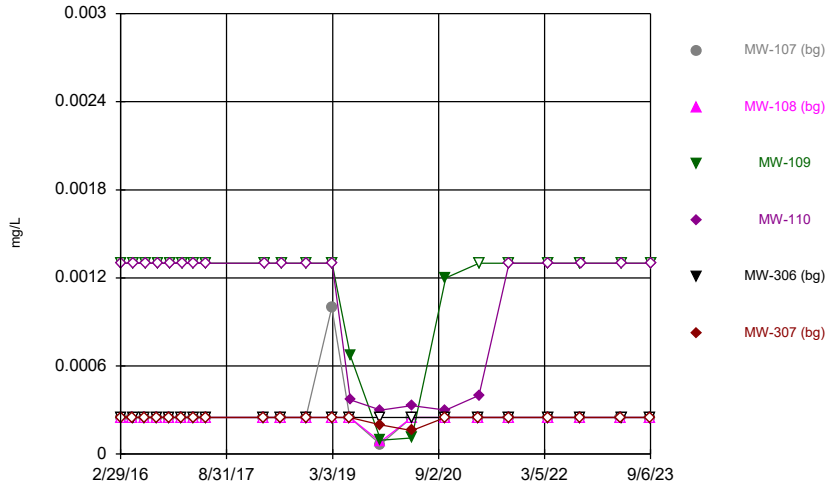
Time Series



Constituent: Lead Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

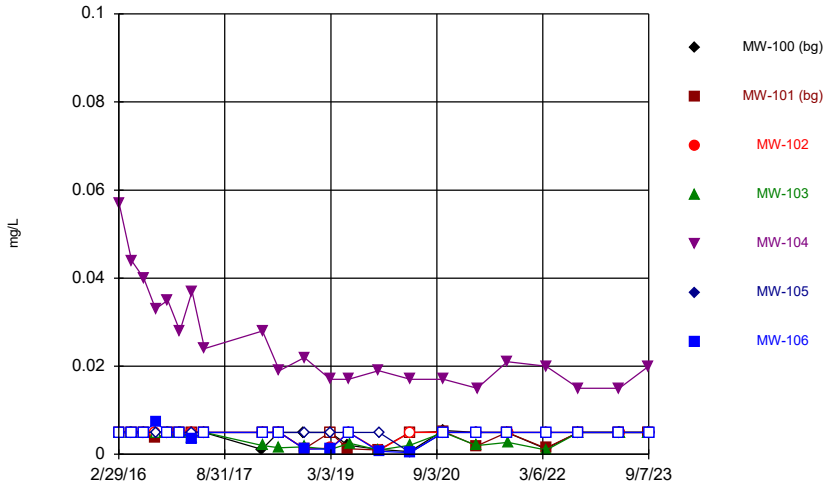
Time Series



Constituent: Lead Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

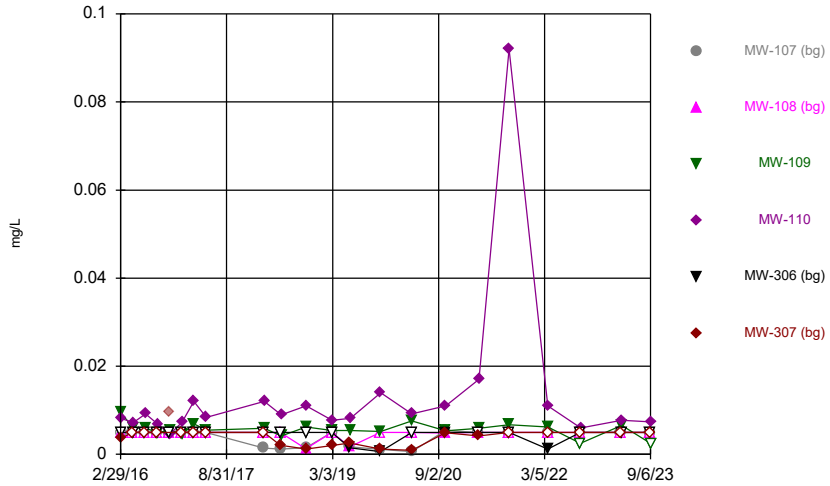
Time Series



Constituent: Lithium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

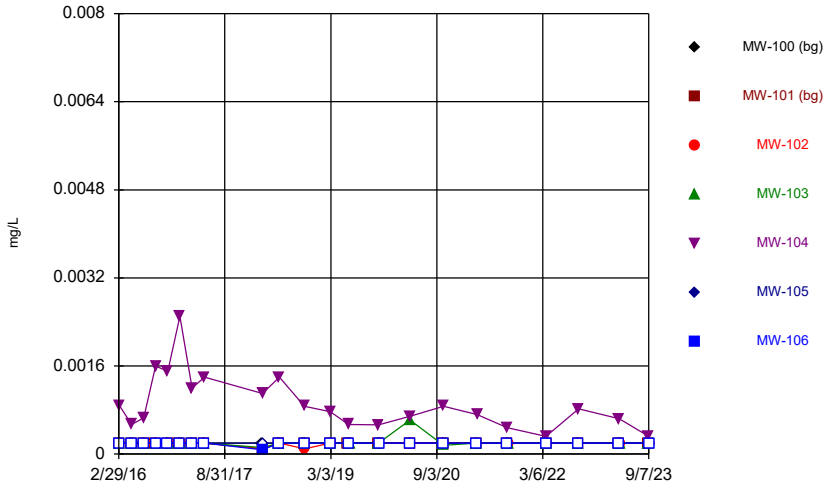
Time Series



Constituent: Lithium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

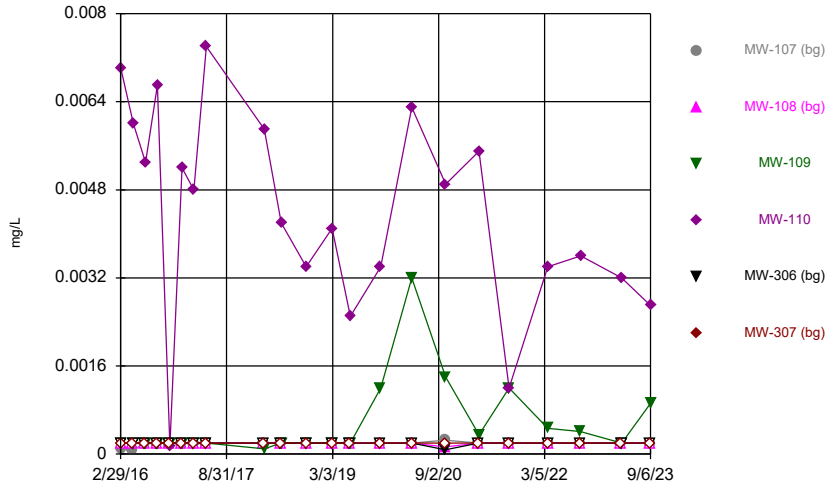
Time Series



Constituent: Mercury Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

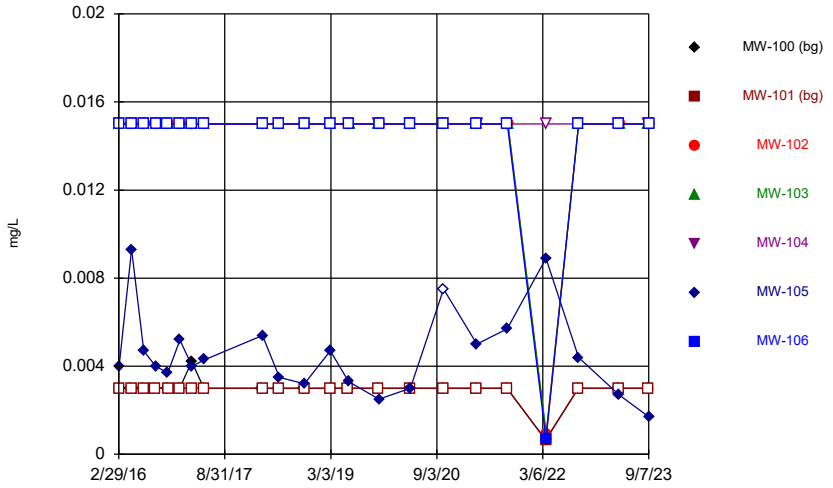
Time Series



Constituent: Mercury Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

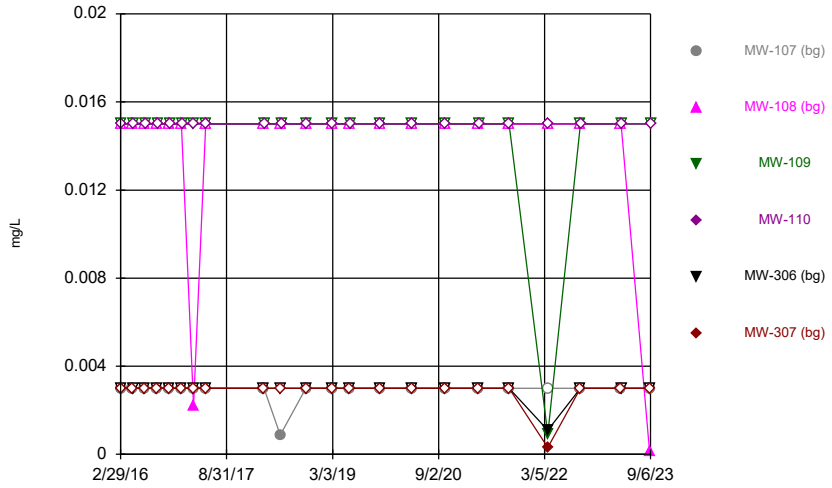
Time Series



Constituent: Molybdenum Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

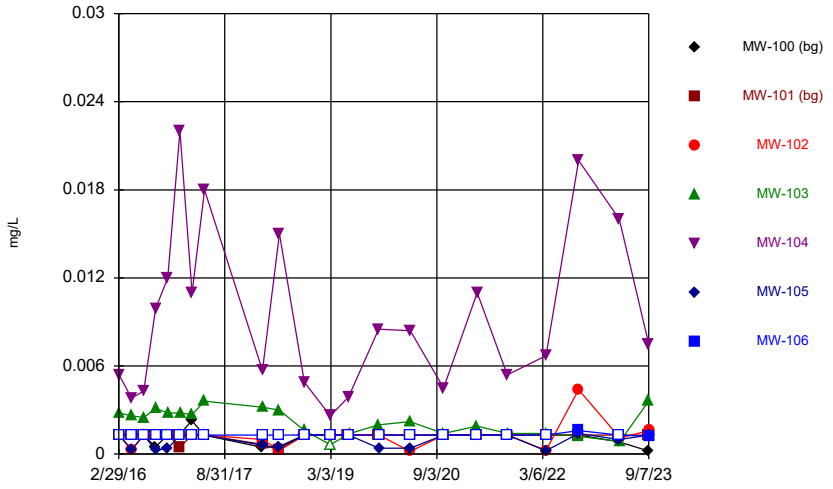
Time Series



Constituent: Molybdenum Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

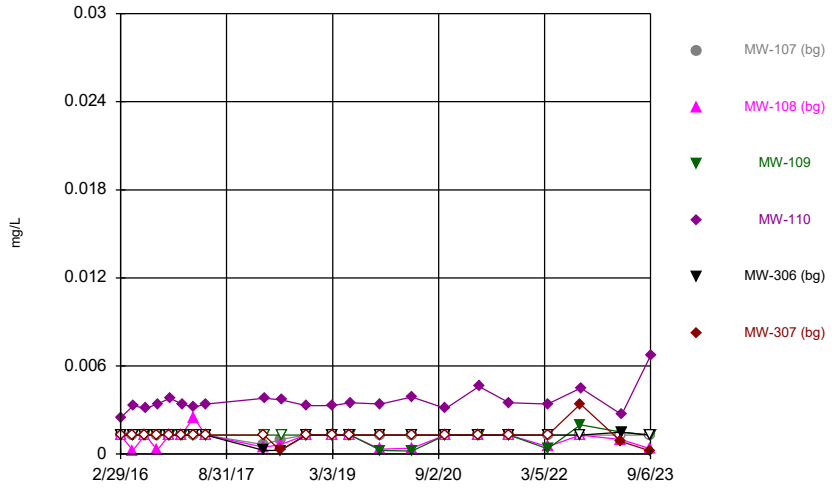
Time Series



Constituent: Selenium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

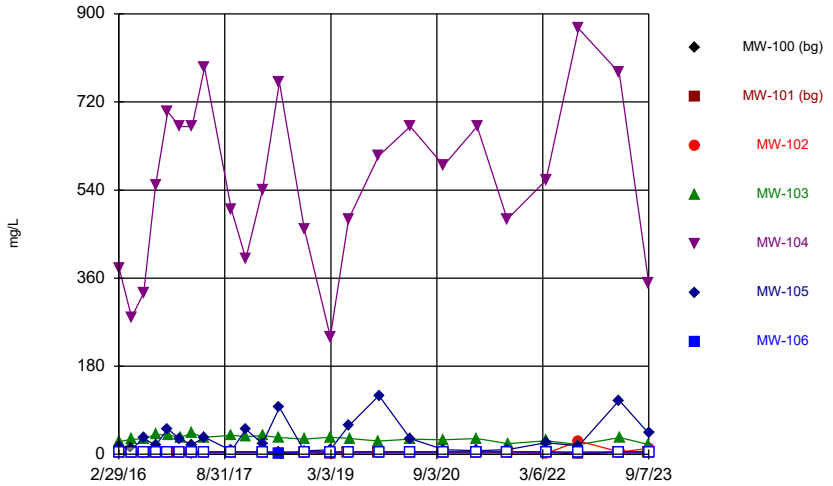
Time Series



Constituent: Selenium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

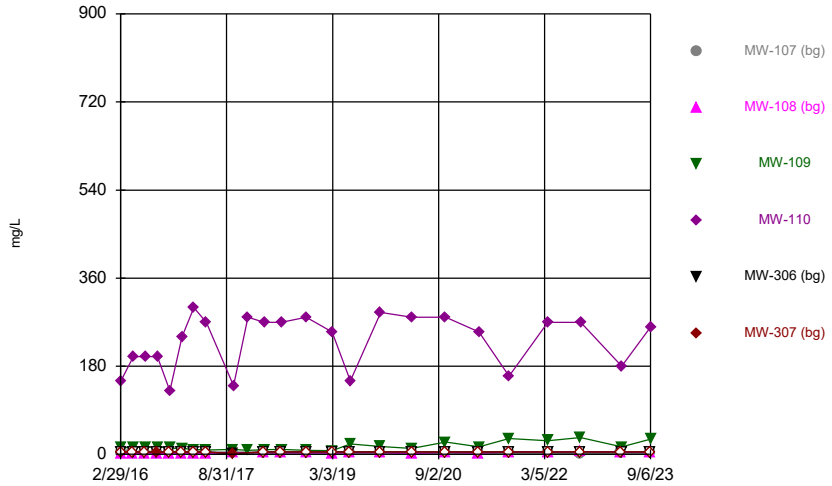
Time Series



Constituent: Sulfate Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

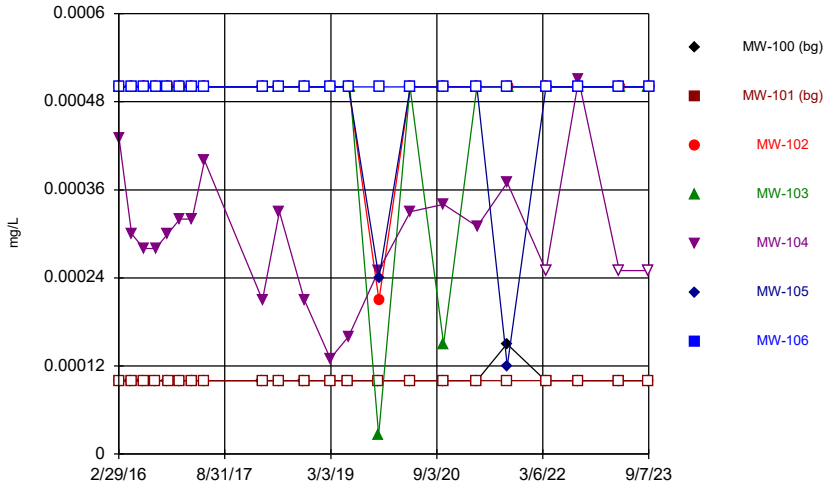
Time Series



Constituent: Sulfate Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

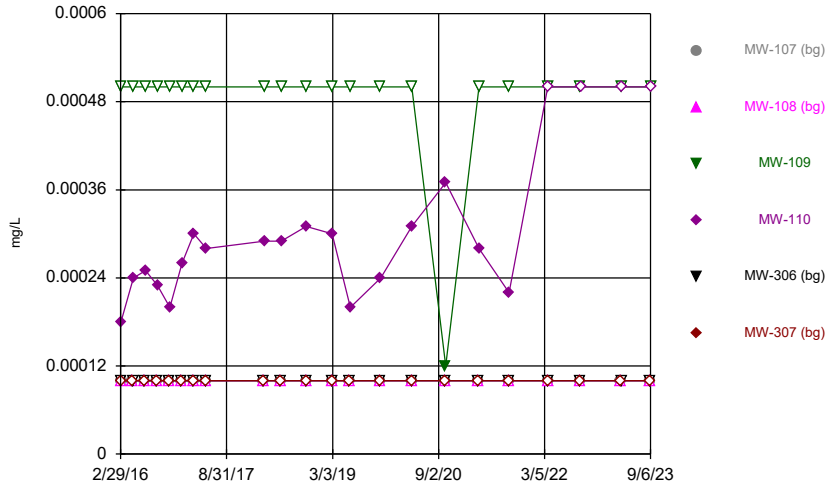
Time Series



Constituent: Thallium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

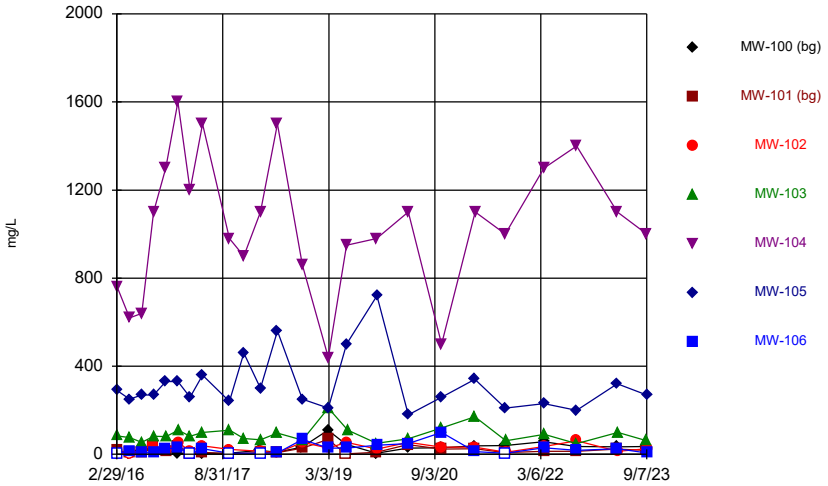
Time Series



Constituent: Thallium Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

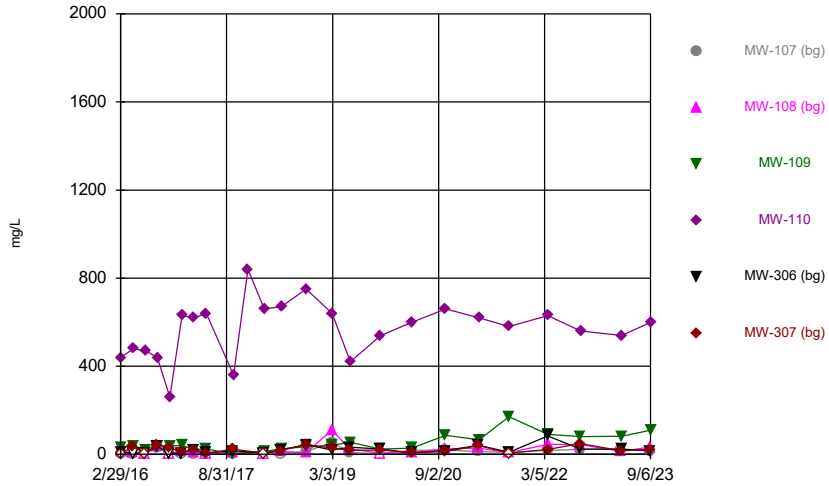
Time Series



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 5:01 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/2/2016	<0.0005						
5/4/2016		<0.0005					<0.0025
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/5/2016	<0.0005						
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/8/2016		<0.0005					<0.0025
9/6/2016	<0.0005	<0.0005	<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025
11/7/2016	<0.0005						
11/9/2016					<0.0025	<0.0025	<0.0025
11/10/2016		<0.0005	<0.0025	<0.0025			
1/9/2017	<0.0005						
1/11/2017		<0.0005			<0.0025	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0005						
3/14/2017		<0.0005			<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/5/2018	<0.0005						
6/10/2018		<0.0005			<0.0025	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0005						
10/18/2018		<0.0005					
2/27/2019	<0.0005	<0.0005					
3/1/2019					<0.0025	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
4/16/2020	<0.0005	<0.0005					
4/17/2020				<0.0025			<0.0025
4/18/2020			<0.0025		<0.0025	<0.0025	
10/7/2020	<0.0005	<0.0005					
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/29/2021	<0.0005	<0.0005					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					<0.0025		
9/2/2021	<0.0005	<0.0005					
9/3/2021					<0.0025	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0005	<0.0005					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			
9/7/2022	<0.0005	<0.0005					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0005	<0.0005					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			
9/1/2023	<0.0005	<0.0005					

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/6/2023				<0.0025	<0.0025		
9/7/2023			<0.0025			<0.0025	<0.0025

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0025	<0.0025		
4/16/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/17/2020			<0.0025	<0.0025		
10/7/2020	<0.0005	<0.0005			<0.0005	<0.0005
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0005	<0.0005			<0.0005	<0.0005
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0005	<0.0005			<0.0005	<0.0005
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0005	<0.0005			<0.0005	<0.0005
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0005					
9/8/2022		<0.0005	<0.0025		<0.0005	<0.0005
9/9/2022				<0.0025		
4/6/2023	<0.0005	<0.0005				<0.0005
4/7/2023					<0.0005	
4/10/2023			<0.0025	<0.0025		
9/1/2023	<0.0005	<0.0005			<0.0005	<0.0005
9/6/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.00025	<0.00025					
3/1/2016			<0.0013	<0.0013	0.0085	0.0039 (J)	<0.0013
5/2/2016	<0.00025						
5/4/2016		<0.00025					<0.0013
5/5/2016			<0.0013	<0.0013	0.0077	0.0039	
7/5/2016	<0.00025						
7/7/2016			<0.0013	<0.0013	0.0082	0.0037	
7/8/2016		<0.00025					<0.0013
9/6/2016	<0.00025	<0.00025	<0.0013				
9/7/2016				<0.0013	0.012	0.0032	<0.0013
11/7/2016	<0.00025						
11/9/2016					0.0071	0.0038	<0.0013
11/10/2016		<0.00025	0.0005 (J)	0.00051 (J)			
1/9/2017	<0.00025						
1/11/2017		<0.00025			0.0071	0.0035	<0.0013
1/12/2017			<0.0013	<0.0013			
3/13/2017	0.00069 (J)						
3/14/2017		<0.00025			0.0067	0.0036	<0.0013
3/15/2017			<0.0013	<0.0013			
5/15/2017	<0.00025						
5/18/2017		<0.00025	<0.0013	<0.0013	0.0087	0.0036	<0.0013
3/12/2018	<0.00025						
3/14/2018		<0.00025	<0.0013	<0.0013	0.0027	0.0039	<0.0013
6/5/2018	<0.00025						
6/10/2018		0.00046 (J)			0.0047	0.0034	<0.0013
6/11/2018			<0.0013	<0.0013			
10/16/2018	<0.00025						
10/18/2018		<0.00025		<0.0013	0.0019	0.0044	<0.0013
10/19/2018			<0.0013				
2/27/2019	<0.00025	<0.00025					
3/1/2019					<0.0013	0.0047	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.00025	<0.00025					
6/3/2019			<0.0013		0.003	0.0045	<0.0013
6/11/2019				<0.0013			
11/6/2019	0.0002 (J)	0.00019 (J)					
11/7/2019				0.00019 (J)	8.9E-05 (J)		
11/9/2019			<0.0013			0.0045	<0.0013
4/16/2020	<0.00025	<0.00025					
4/17/2020				<0.0013			<0.0013
4/18/2020			<0.0013		0.0014	0.0054	
10/7/2020	<0.00025	0.00056 (J)					
10/8/2020			<0.0013	0.0021	0.0019	0.0046	<0.0013
3/29/2021	<0.00025	0.00078					
3/30/2021			<0.0013	<0.0013		0.0082	<0.0013
3/31/2021					0.00048		
9/2/2021	0.00059 (J)	<0.00025					
9/3/2021					0.00084 (J)	0.0096	<0.0013
9/7/2021			<0.0013	<0.0013			
3/22/2022	<0.00025	<0.00025					
3/23/2022			<0.0013		0.0018	0.0073	<0.0013
3/24/2022				<0.0013			

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.00025	<0.00025					
9/8/2022							<0.0013
9/9/2022			<0.0013	<0.0013	0.01	0.0048	
4/6/2023	<0.00025	<0.00025					
4/7/2023					0.0065	0.004	<0.0013
4/10/2023			<0.0013	<0.0013			
9/1/2023	<0.00025	<0.00025					
9/6/2023				<0.0013	0.0028		
9/7/2023			<0.0013			0.0033	<0.0013

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025				
3/1/2016					<0.00025	0.00038 (J)
3/2/2016			<0.0013	<0.0013		
5/2/2016	<0.00025	<0.00025				0.00073 (J)
5/3/2016					<0.00025	
5/5/2016			<0.0013	0.00061 (J)		
7/5/2016	<0.00025	<0.00025			<0.00025	0.00077 (J)
7/7/2016			<0.0013	<0.0013		
9/6/2016	<0.00025	<0.00025			<0.00025	0.0013
9/7/2016			<0.0013	<0.0013		
11/7/2016	<0.00025	<0.00025			<0.00025	<0.00025
11/10/2016			<0.0013	0.00047 (J)		
1/9/2017	<0.00025	<0.00025			<0.00025	0.00053 (J)
1/12/2017			<0.0013	<0.0013		
3/13/2017	<0.00025	0.00069 (J)			<0.00025	<0.00025
3/14/2017			<0.0013			
3/15/2017				<0.0013		
5/15/2017	<0.00025	<0.00025			<0.00025	<0.00025
5/18/2017			<0.0013	0.00051 (J)		
3/12/2018	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2018			<0.0013	0.00056 (J)		
6/5/2018	<0.00025	<0.00025				
6/6/2018					<0.00025	<0.00025
6/11/2018			<0.0013	0.0005 (J)		
10/16/2018	<0.00025	<0.00025				
10/17/2018					<0.00025	<0.00025
10/18/2018			<0.0013	<0.0013		
2/27/2019	<0.00025	<0.00025			<0.00025	<0.00025
3/1/2019			<0.0013	<0.0013		
5/31/2019	<0.00025	<0.00025			<0.00025	<0.00025
6/3/2019			<0.0013	<0.0013		
11/6/2019	0.0002 (J)	0.00012 (J)			0.00014 (J)	0.00024 (J)
11/7/2019			0.00025 (V)	0.0002 (J)		
4/16/2020	<0.00025	<0.00025			<0.00025	<0.00025
4/17/2020			<0.0013	0.00012 (J)		
10/7/2020	<0.00025	<0.00025			0.00064 (J)	<0.00025
10/9/2020			<0.0013	<0.0013		
3/29/2021	<0.00025	0.00054			<0.00025	0.00042
3/31/2021			0.0011	<0.0013		
9/2/2021	<0.00025	<0.00025			<0.00025	<0.00025
9/3/2021			0.00048 (J)	0.00063 (J)		
3/22/2022	<0.00025	0.00027			<0.00025	<0.00025
3/23/2022			<0.0013	<0.0013		
9/7/2022	<0.00025					
9/8/2022		<0.00025	<0.0013		<0.00025	<0.00025
9/9/2022				<0.0013		
4/6/2023	<0.00025	<0.00025				<0.00025
4/7/2023					<0.00025	
4/10/2023			<0.0013	<0.0013		
9/1/2023	<0.00025	<0.00025			<0.00025	<0.00025
9/6/2023			<0.0013	<0.0013		

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

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.014	0.0097 (J)					
3/1/2016			0.0081 (J)	0.055	0.017	0.043	0.016
5/2/2016	0.013						
5/4/2016		0.0095					0.012
5/5/2016			0.011	0.056	0.018	0.033	
7/5/2016	0.013						
7/7/2016			0.012	0.055	0.02	0.042	
7/8/2016		0.0093					0.015
9/6/2016	0.016	0.011	0.012				
9/7/2016				0.07	0.027	0.043	0.012
11/7/2016	0.014						
11/9/2016					0.022	0.046	0.01
11/10/2016		0.0092	0.0099	0.061			
1/9/2017	0.015						
1/11/2017		0.0092			0.03	0.042	0.01
1/12/2017			0.0085	0.058			
3/13/2017	0.015						
3/14/2017		0.0095			0.02	0.038	0.0097
3/15/2017			0.009	0.07			
5/15/2017	0.015						
5/18/2017		0.0095	0.0095	0.068	0.027	0.051	0.01
3/12/2018	0.017						
3/14/2018		0.0089	0.0084	0.052	0.025	0.038	0.0096
6/5/2018	0.018						
6/10/2018		0.0092			0.025	0.055	0.0089
6/11/2018			0.0089	0.053			
10/16/2018	0.017						
10/18/2018		0.0089		0.052	0.021	0.035	0.0096
10/19/2018			0.0085				
2/27/2019	0.021	0.011					
3/1/2019					0.018	0.032	0.0095
3/2/2019			0.01	0.011			
5/31/2019	0.02	0.0088					
6/3/2019			0.012		0.031	0.05	0.0098
6/11/2019				0.043			
11/6/2019	0.019	0.0094					
11/7/2019				0.04	0.02		
11/9/2019			0.011			0.06	0.011
4/16/2020	0.02	0.0099					
4/17/2020				0.05			0.012
4/18/2020			0.012		0.021	0.045	
10/7/2020	0.02	0.0088					
10/8/2020			0.0086	0.037	0.022	0.028	0.0099
3/29/2021	0.019	0.0097					
3/30/2021			0.0096	0.033		0.028	0.011
3/31/2021					0.023		
9/2/2021	0.02	0.0089					
9/3/2021					0.02	0.029	0.011
9/7/2021			0.0095	0.03			
3/22/2022	0.019	0.0092					
3/23/2022			0.013		0.03	0.027	0.012
3/24/2022				0.027			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	0.019	0.0089					
9/8/2022							0.012
9/9/2022			0.03	0.018	0.035	0.024	
4/6/2023	0.019	0.0093					
4/7/2023					0.026	0.033	0.011
4/10/2023			0.011	0.033			
9/1/2023	0.019	0.0099					
9/6/2023				0.028	0.023		
9/7/2023			0.01			0.027	0.013

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.013	0.013				
3/1/2016					0.012	0.015
3/2/2016			0.022	0.058		
5/2/2016	0.013	0.01				0.013
5/3/2016					0.012	
5/5/2016			0.02	0.05		
7/5/2016	0.013	0.0089			0.011	0.017
7/7/2016			0.021	0.044		
9/6/2016	0.013	0.01			0.012	0.017
9/7/2016			0.023	0.051		
11/7/2016	0.013	0.0096			0.012	0.023
11/10/2016			0.019	0.046		
1/9/2017	0.012	0.011			0.013	0.016
1/12/2017			0.018	0.047		
3/13/2017	0.013	0.011			0.013	0.016
3/14/2017			0.02			
3/15/2017				0.046		
5/15/2017	0.011	0.0089			0.012	0.015
5/18/2017			0.019	0.045		
3/12/2018	0.013	0.01			0.013	0.015
3/14/2018			0.017	0.036		
6/5/2018	0.014	0.011				
6/6/2018					0.014	0.017
6/11/2018			0.016	0.036		
10/16/2018	0.011	0.011				
10/17/2018					0.012	0.016
10/18/2018			0.019	0.035		
2/27/2019	0.014	0.011			0.015	0.018
3/1/2019			0.018	0.036		
5/31/2019	0.013	0.01			0.014	0.016
6/3/2019			0.017	0.04		
11/6/2019	0.012	0.0097			0.013	0.017
11/7/2019			0.019	0.027		
4/16/2020	0.012	0.012			0.014	0.017
4/17/2020			0.026	0.032		
10/7/2020	0.012	0.011			0.013	0.016
10/9/2020			0.026	0.026		
3/29/2021	0.011	0.011			0.013	0.017
3/31/2021			0.027	0.025		
9/2/2021	0.012	0.011			0.012	0.017
9/3/2021			0.032	0.036		
3/22/2022	0.01	0.012			0.013	0.018
3/23/2022			0.02	0.024		
9/7/2022	0.012					
9/8/2022		0.012	0.017		0.012	0.017
9/9/2022				0.023		
4/6/2023	0.01	0.012				0.018
4/7/2023					0.012	
4/10/2023			0.016	0.022		
9/1/2023	0.01	0.012			0.012	0.02
9/6/2023			0.023	0.026		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0005					
3/1/2016			<0.0025	<0.0025	0.0013 (J)	<0.0025	<0.0025
5/2/2016	<0.0025						
5/4/2016		<0.0005					<0.0025
5/5/2016			<0.0025	<0.0025	0.00088 (J)	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	0.001 (J)	<0.0025	
7/8/2016		<0.0005					<0.0025
9/6/2016	<0.0025	<0.0005	<0.0025				
9/7/2016				<0.0025	0.00078 (J)	<0.0025	<0.0025
11/7/2016	<0.0025						
11/9/2016					0.0012 (J)	<0.0025	<0.0025
11/10/2016		<0.0005	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0005			0.0014 (J)	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0005			0.0013 (J)	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0005	<0.0025	<0.0025	0.0016 (J)	<0.0025	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0005	<0.0025	<0.0025	0.0011 (J)	<0.0025	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0005			0.0011 (J)	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0005		<0.0025	0.00084 (J)	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0025	<0.0005					
3/1/2019					0.00057 (J)	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
5/31/2019	<0.0025	<0.0005					
6/3/2019			<0.0025		0.00074 (J)	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	9E-05 (J)	4.7E-05 (J)					
11/7/2019				<0.0025	0.00065		
11/9/2019			<0.0025			<0.0025	<0.0025
4/16/2020	5.4E-05 (J)	4.3E-05 (J)					
4/17/2020				<0.0025			<0.0025
4/18/2020			0.00011 (J)		0.00096	<0.0025	
10/7/2020	0.0014 (J)	0.0014 (J)					
10/8/2020			<0.0025	<0.0025	0.00039 (J)	<0.0025	<0.0025
3/29/2021	<0.0025	<0.0005					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.0007		
9/2/2021	<0.0025	<0.0005					
9/3/2021					0.00076 (J)	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0025	<0.0005					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0005					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0025	<0.0005					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			
9/1/2023	6.9E-05 (J)	<0.0005					
9/6/2023				<0.0025	0.00049 (J)		
9/7/2023			<0.0025			<0.0025	<0.0025

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0025	<0.0025		
11/6/2019	6.6E-05 (J)	<0.0005			<0.0005	<0.0005
11/7/2019			<0.0025	8.4E-05 (J)		
4/16/2020	6.1E-05 (J)	<0.0005			<0.0005	<0.0005
4/17/2020			4.4E-05 (J)	0.00013 (J)		
10/7/2020	0.0015 (J)	0.0015 (J)			0.0014 (J)	0.0014 (J)
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0005	<0.0005			<0.0005	<0.0005
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0005	<0.0005			<0.0005	<0.0005
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0005	<0.0005			<0.0005	<0.0005
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0005					
9/8/2022		<0.0005	<0.0025		<0.0005	<0.0005
9/9/2022				<0.0025		
4/6/2023	<0.0005	<0.0005				<0.0005
4/7/2023					<0.0005	
4/10/2023			<0.0025	<0.0025		
9/1/2023	<0.0005	<0.0005			<0.0005	<0.0005
9/6/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.018	<0.05					
3/1/2016			<0.05	<0.05 (*)	8.7	<0.32 (*)	<0.05
5/2/2016	<0.018						
5/4/2016		<0.05					<0.05 (*)
5/5/2016			<0.05	<0.05 (*)	7.8	<0.32 (*)	
7/5/2016	<0.018						
7/7/2016			<0.05	0.33	7	1	
7/8/2016		<0.05					<0.05
9/6/2016	<0.018	<0.05	<0.05				
9/7/2016				0.37	12	0.53	0.022 (J)
11/7/2016	<0.018						
11/9/2016					9.6	1.6	<0.05
11/10/2016		<0.05	<0.05	0.43			
1/9/2017	<0.018						
1/11/2017		<0.05			11	0.9	<0.05
1/12/2017			<0.05	0.44			
3/13/2017	<0.018						
3/14/2017		<0.05			10	0.63	0.071
3/15/2017			<0.05	0.46			
5/15/2017	<0.018						
5/18/2017		<0.05	<0.05	0.44	15	1.5	<0.05 (*)
10/2/2017	<0.018						
10/5/2017		<0.05			12	0.32	<0.05
10/6/2017			<0.05	0.37			
12/19/2017				0.35 (R)	11 (R)	1.6 (R)	
3/12/2018	<0.018						
3/14/2018		<0.05	<0.05	0.32	11	0.7	<0.05
6/5/2018	<0.018						
6/10/2018		<0.05			12	2.4	0.066
6/11/2018			<0.05	0.26			
10/16/2018	<0.018						
10/18/2018		0.081		0.25	9.6	0.43	0.067
10/19/2018			0.34				
2/27/2019	<0.018	<0.05					
3/1/2019					6.5	0.4	0.048 (J)
3/2/2019			<0.05	<0.05			
5/31/2019	<0.018	<0.05					
6/3/2019			0.17		11	1.7	<0.05
6/11/2019				0.39			
11/6/2019	0.017 (V)	0.016 (V)					
11/7/2019				0.19	11		
11/9/2019			0.023 (J)			1.8	0.097 (V)
4/16/2020	0.02	0.013					
4/17/2020				0.31			0.07
4/18/2020			0.012		11	1.7	
10/7/2020	<0.018	<0.05					
10/8/2020			0.033 (J)	0.31	12	0.37	0.031 (J)
3/29/2021	<0.018	<0.05					
3/30/2021			<0.05	0.23		0.22	<0.05
3/31/2021					8.9		
9/2/2021	0.021 (J)	<0.05					
9/3/2021					8.7	0.2	0.021 (J)

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<0.05	0.19			
3/22/2022	0.013	0.012					
3/23/2022			0.017		8.7	0.23	0.0074 (J)
3/24/2022				0.2			
9/7/2022	0.031 (J)	0.029 (J)					
9/8/2022							0.097
9/9/2022			0.13	0.22	14	0.5	
4/6/2023	0.021 (J)	0.048 (J)					
4/7/2023					13	1.4	0.019 (J)
4/10/2023			0.015 (J)	0.58			
9/1/2023	0.021	0.02					
9/6/2023				0.31	11		
9/7/2023			<0.05			0.82	<0.05

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.018	<0.018				
3/1/2016					<0.05	<0.05
3/2/2016			<0.05 (*)	3		
5/2/2016	<0.018	<0.018				<0.05
5/3/2016					<0.05	
5/5/2016			<0.05 (*)	2.9		
7/5/2016	<0.018	<0.018			<0.05	<0.05
7/7/2016			0.1	3		
9/6/2016	<0.018	<0.018			<0.05	<0.05
9/7/2016			0.073	3.8		
11/7/2016	<0.018	<0.018			<0.05	<0.05
11/10/2016			0.073	2.1		
1/9/2017	<0.018	<0.018			<0.05	<0.05
1/12/2017			0.059	4		
3/13/2017	<0.018	0.022 (J)			<0.05	<0.05
3/14/2017			0.044 (J)			
3/15/2017				4.2		
5/15/2017	<0.018	<0.018			<0.05	<0.05
5/18/2017			<0.05 (*)	4.4		
10/2/2017	<0.018	0.023 (J)			<0.05	<0.05
10/5/2017			0.047 (J)			
10/6/2017				2.3		
12/19/2017				5.3 (R)		
3/12/2018	<0.018	<0.018			<0.05	<0.05
3/14/2018			<0.05	4.6		
6/5/2018	<0.018	<0.018				
6/6/2018					<0.05	<0.05
6/11/2018			0.11	4.2		
10/16/2018	<0.018	<0.018				
10/17/2018					<0.05	<0.05
10/18/2018			0.15	4.3		
2/27/2019	<0.018	<0.018			<0.05	<0.05
3/1/2019			0.23	3.8		
5/31/2019	<0.018	<0.018			<0.05	<0.05
6/3/2019			0.45	3		
11/6/2019	0.016 (V)	0.022 (V)			0.011 (V)	0.0099 (J)
11/7/2019			0.42	4.2		
4/16/2020	0.013	0.017			0.0075 (J)	0.0055 (J)
4/17/2020			0.83	4.6		
10/7/2020	<0.018	<0.018			<0.05	<0.05
10/9/2020			0.37	4.8		
3/29/2021	<0.018	<0.018			<0.05	<0.05
3/31/2021			0.2	3.8		
9/2/2021	0.018 (J)	0.022 (J)			<0.05	<0.05
9/3/2021			0.77	3.3		
3/22/2022	0.013	0.017			0.009 (J)	0.0063 (J)
3/23/2022			0.36	4.5		
9/7/2022	0.031 (J)					
9/8/2022		0.055	0.45		0.027 (J)	0.025 (J)
9/9/2022				4.4		
4/6/2023	0.038 (J)	0.035 (J)				0.012 (J)
4/7/2023					0.011 (J)	

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			0.16	4.5		
9/1/2023	0.023	0.025			0.016	0.016
9/6/2023			0.58	4.5		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/2/2016	<0.0005						
5/4/2016		<0.0005					<0.0025
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/5/2016	<0.0005						
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/8/2016		<0.0005					<0.0025
9/6/2016	<0.0005	<0.0005	<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025
11/7/2016	<0.0005						
11/9/2016					<0.0025	<0.0025	<0.0025
11/10/2016		<0.0005	<0.0025	<0.0025			
1/9/2017	<0.0005						
1/11/2017		<0.0005			0.00049 (J)	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0005						
3/14/2017		<0.0005			<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0025	<0.0025	0.00052 (J)	<0.0025	<0.0025
6/5/2018	<0.0005						
6/10/2018		<0.0005			0.00049 (J)	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0005						
10/18/2018		<0.0005		<0.0025	0.00044 (J)	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0005	<0.0005					
3/1/2019					0.00038 (J)	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
5/31/2019	<0.0005	<0.0005					
6/3/2019			<0.0025		0.0006 (J)	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	<0.0005	<0.0005					
11/7/2019				<0.0025	0.00075		
11/9/2019			<0.0025			<0.0025	<0.0025
4/16/2020	<0.0005	<0.0005					
4/17/2020				<0.0025			<0.0025
4/18/2020			<0.0025		0.00037 (J)	<0.0025	
10/7/2020	<0.0005	<0.0005					
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/29/2021	<0.0005	<0.0005					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.00056		
9/2/2021	<0.0005	<0.0005					
9/3/2021					0.00061 (J)	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	<0.0005	<0.0005					
3/23/2022			<0.0025		<0.0025	<0.0025	<0.0025
3/24/2022				<0.0025			

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0005	<0.0005					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2023	<0.0005	<0.0005					
4/7/2023					<0.0025	<0.0025	<0.0025
4/10/2023			<0.0025	<0.0025			
9/1/2023	<0.0005	<0.0005					
9/6/2023				<0.0025	<0.0025		
9/7/2023			<0.0025			<0.0025	<0.0025

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0025	<0.0025		
11/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
11/7/2019			7.8E-05 (J)	0.00032 (J)		
4/16/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/17/2020			<0.0025	0.00011 (J)		
10/7/2020	<0.0005	<0.0005			<0.0005	<0.0005
10/9/2020			<0.0025	<0.0025		
3/29/2021	<0.0005	<0.0005			<0.0005	<0.0005
3/31/2021			<0.0025	<0.0025		
9/2/2021	<0.0005	<0.0005			<0.0005	<0.0005
9/3/2021			<0.0025	<0.0025		
3/22/2022	<0.0005	<0.0005			<0.0005	<0.0005
3/23/2022			<0.0025	<0.0025		
9/7/2022	<0.0005					
9/8/2022		<0.0005	<0.0025		<0.0005	<0.0005
9/9/2022				<0.0025		
4/6/2023	<0.0005	<0.0005				<0.0005
4/7/2023					<0.0005	
4/10/2023			<0.0025	<0.0025		
9/1/2023	<0.0005	<0.0005			<0.0005	<0.0005
9/6/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1	1 (J)					
3/1/2016			0.99 (J)	5.6	46	63	1.8
5/2/2016	0.78						
5/4/2016		0.62					1.1
5/5/2016			1.2	5.4	37	58	
7/5/2016	0.65						
7/7/2016			1.1	3.9	38	55	
7/8/2016		0.4					0.82
9/6/2016	0.7	0.45	1				
9/7/2016				4.2	55	59	0.57
11/7/2016	0.8						
11/9/2016					52	61	0.62
11/10/2016		0.44	0.73	3.5			
1/9/2017	0.74						
1/11/2017		0.42			56	66	0.44
1/12/2017			0.63	3.3			
3/13/2017	0.78						
3/14/2017		0.42			55	63	0.46
3/15/2017			0.72	4.1			
5/15/2017	0.76						
5/18/2017		0.38	0.71	3.9	61	68	0.41
10/2/2017	0.78						
10/5/2017		0.39			55	58	0.39
10/6/2017			0.56	4.3			
12/19/2017				3.7 (R)	47 (R)	69 (R)	
3/12/2018	0.88						
3/14/2018		0.49	0.63	3.9	55	62	0.47
6/5/2018	0.9						
6/10/2018		0.39			67	86	0.39
6/11/2018			0.55	3.5			
10/16/2018	0.86						
10/18/2018		0.41		3.1	52	63	0.47
10/19/2018			0.37				
2/27/2019	0.96	0.44					
3/1/2019					28	51	0.46
3/2/2019			0.57	0.56			
5/31/2019	0.76	0.28					
6/3/2019			2		49	65	0.38
6/11/2019				3.5			
11/6/2019	0.88	0.46					
11/7/2019				3.4	62		
11/9/2019			0.61 (V)			84	0.56 (V)
4/16/2020	0.84	0.38					
4/17/2020				3.5			0.42
4/18/2020			0.45		62	58	
10/7/2020	0.93	0.47					
10/8/2020			0.67	3.7	59	50	0.51
3/29/2021	1	0.43					
3/30/2021			0.47	3.6		68	0.49
3/31/2021					74		
9/2/2021	1.1	0.63					
9/3/2021					63	59	0.51

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			0.39	3.5			
3/22/2022	0.9	0.38					
3/23/2022			2		71	62	0.48
3/24/2022				3.6			
9/7/2022	1	0.6					
9/8/2022							1.6
9/9/2022			12	3.3	110	57	
4/6/2023	0.81	0.42					
4/7/2023					93	66	0.48
4/10/2023			0.46	4.5			
9/1/2023	0.88	0.39					
9/6/2023				3.7	73		
9/7/2023			0.34			63	0.55

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.67	1.4				
3/1/2016					0.6	1.5
3/2/2016			2	23		
5/2/2016	0.58	1.1				0.83
5/3/2016					0.55	
5/5/2016			2.6	21		
7/5/2016	0.43	0.94			0.53	1.6
7/7/2016			2.9	20		
9/6/2016	0.48	1			0.5	1.6
9/7/2016			3.1	20		
11/7/2016	0.56	1.2			0.68	1.5
11/10/2016			2.7	8.7		
1/9/2017	0.43	1.2			0.56	0.98
1/12/2017			2.9	27		
3/13/2017	0.48	1.3			0.62	0.75
3/14/2017			3.1			
3/15/2017				32		
5/15/2017	0.37	1			0.58	0.83
5/18/2017			3	30		
10/2/2017	0.47	1.2			0.62	0.83
10/5/2017			3.7			
10/6/2017				15		
12/19/2017			3.1 (R)	41 (R)		
3/12/2018	0.49	1.4			0.59	0.71
3/14/2018			3.1	35		
6/5/2018	0.49	1.2				
6/6/2018					0.59	0.68
6/11/2018			2.6	30		
10/16/2018	0.42	1.4				
10/17/2018					0.54	0.66
10/18/2018			2.8	38		
2/27/2019	0.56	1.3			0.63	0.7
3/1/2019			3.1	28		
5/31/2019	0.33	1.1			0.45	0.52
6/3/2019			3.9	13		
11/6/2019	0.49	1.2			0.55	0.74
11/7/2019			4.3	32		
4/16/2020	0.36	1.3			0.53	0.59
4/17/2020			5.2	29		
10/7/2020	0.43	1.6			0.63	0.67
10/9/2020			5.9	31		
3/29/2021	0.46	1.6			0.68	0.75
3/31/2021			3.3	23		
9/2/2021	0.47	1.5			0.56	0.73
9/3/2021			8.4	21		
3/22/2022	0.33	1.6			0.81	0.7
3/23/2022			4.8	28		
9/7/2022	0.61					
9/8/2022		2.1	6		0.69	0.82
9/9/2022				26		
4/6/2023	0.32	2.1				0.68
4/7/2023					0.49	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			3.7	22		
9/1/2023	0.33	2.1			0.52	0.66
9/6/2023			5.7	30		

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.3	5.4					
3/1/2016			4.8	6.6	90	36	4.4
5/2/2016	4.4						
5/4/2016		4.5					3
5/5/2016			5.6	6.5	63	34	
7/5/2016	4.2						
7/7/2016			5	7.3	75	34	
7/8/2016		4.9					3.5
9/6/2016	4.3	4.3	4.8				
9/7/2016				7.4	140	33	3.3
11/7/2016	4.2						
11/9/2016					180	38	3.9
11/10/2016		4.5	4.7	8.4			
1/9/2017	5.3						
1/11/2017		5.3			200	34	4.1
1/12/2017			5.6	9.2			
3/13/2017	5.2						
3/14/2017		5.5			150	35	4
3/15/2017			5.9	9.5			
5/15/2017	4.8						
5/18/2017		5	5.7	9.9	190	60	4
10/2/2017	5.5						
10/5/2017		5.6			120	33	4.5
10/6/2017			6	10			
12/19/2017				9.3 (R)	84 (R)	120 (R)	
3/12/2018	5.3						
3/14/2018		5.2	5.2	7.7	160	45	3.7
6/5/2018	5.3						
6/10/2018		5.2			190	140	3.6
6/11/2018			4.9	8			
10/16/2018	5.5						
10/18/2018		5.2		12	100	32	5
10/19/2018			6.7				
2/27/2019	4.6	5.1					
3/1/2019					42	30	1.7 (J)
3/2/2019			4.4	8.5			
5/31/2019	5.1	5					
6/3/2019			13		110	86	3.3
6/11/2019				17			
11/6/2019	5.8	6					
11/7/2019				15	120		
11/9/2019			6.1			200	4.7
4/16/2020	6.1	5.8					
4/17/2020				20			4.8
4/18/2020			6.3		130	73	
10/7/2020	6.6	5.9					
10/8/2020			6.4	18	95	26	5
3/29/2021	10	5.8					
3/30/2021			6.4	12		18	5
3/31/2021					120		
9/2/2021	5.8	5.1					
9/3/2021					110	10	4.4

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			6.1	12			
3/22/2022	5.9	4.9					
3/23/2022			6.9		120	10	4.1
3/24/2022				9.8			
9/7/2022	4.4	3.4					
9/8/2022							3.3
9/9/2022			11	6.9	140	6.2	
4/6/2023	4.3	3.6					
4/7/2023					120	32	2.8
4/10/2023			3.9	6.3			
9/1/2023	5.5	3.9					
9/6/2023				7.6	88		
9/7/2023			5			20	4.2

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	8.1	7.4				
3/1/2016					5.6	4
3/2/2016			5	87		
5/2/2016	6	6.3				3.6
5/3/2016					5.1	
5/5/2016			6.8	87		
7/5/2016	5.2	4.8			4.7	3.6
7/7/2016			6.7	83		
9/6/2016	5.5	6			4.4	4
9/7/2016			4.8	80		
11/7/2016	5.4	5.7			4.6	4.4
11/10/2016			4.2	35		
1/9/2017	6.1	6.8			5.3	4.4
1/12/2017			4.4	130		
3/13/2017	5.5	6.8			5.6	4.1
3/14/2017			4.4			
3/15/2017				150		
5/15/2017	4.7	6.1			5.2	3.7
5/18/2017			5	140		
10/2/2017	6.1	6			5.5	4.8
10/5/2017			5.8			
10/6/2017				62		
12/19/2017				180 (R)		
3/12/2018	6.1	5.9			5.6	4
3/14/2018			6.9	140		
6/5/2018	5.5	6.5				
6/6/2018					5.6	4.1
6/11/2018			6	140		
10/16/2018	5.1	5.9				
10/17/2018					5.5	3.7
10/18/2018			7.5	160		
2/27/2019	5	4.3			5.1	4
3/1/2019			7.2	140		
5/31/2019	5.4	4.5			5.4	3.7
6/3/2019			8.5	79		
11/6/2019	6.1	5.7			5.9	4.7
11/7/2019			18	120		
4/16/2020	5.3	5.6			6.2	4.9
4/17/2020			29	120		
10/7/2020	5.7	5.1			6.1	4.7
10/9/2020			22	100		
3/29/2021	5.2	5			6.2	5.4
3/31/2021			18	110		
9/2/2021	5.1	5.2			5.9	5.1
9/3/2021			57	100		
3/22/2022	4.7	8.8			5.6	4.8
3/23/2022			28	110		
9/7/2022	3.6					
9/8/2022		3.4	17		4.3	5.3
9/9/2022				84		
4/6/2023	3.8	4.2				4.2
4/7/2023					4.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			8.2	71		
9/1/2023	4.2	4.2			4.8	4.4
9/6/2023			29	93		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0025					
3/1/2016			<0.0025	<0.0025	<0.0025	0.0023 (J)	<0.0025
5/2/2016	0.0029						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	0.0014 (J)	<0.0025	
7/5/2016	<0.0005						
7/7/2016			<0.0025	<0.0025	0.0014 (J)	0.002 (J)	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0005	<0.0025	<0.0025				
9/7/2016				<0.0025	0.0019 (J)	0.0029	<0.0025
11/7/2016	<0.0005						
11/9/2016					0.0023 (J)	0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0005						
1/11/2017		<0.0025			0.0024 (J)	0.002 (J)	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0005						
3/14/2017		<0.0025			0.0023 (J)	0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0005						
5/18/2017		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.002 (J)	<0.0025
3/12/2018	<0.0005						
3/14/2018		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.0022 (J)	<0.0025
6/5/2018	<0.0005						
6/10/2018		<0.0025			0.0022 (J)	0.002 (J)	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0005						
10/18/2018		<0.0025		<0.0025	0.0016 (J)	0.0029	<0.0025
10/19/2018			<0.0025				
2/27/2019	<0.0005	<0.0025					
3/1/2019					<0.0025	0.0026	<0.0025
3/2/2019			0.0028	0.0052			
5/31/2019	<0.0005	<0.0025					
6/3/2019			<0.0025		0.0015 (J)	0.0022 (J)	<0.0025
6/11/2019				0.0011 (J)			
11/6/2019	<0.0005	<0.0025					
11/7/2019				0.00028 (J)	<0.0025		
11/9/2019			0.00037 (J)			0.0022 (J)	<0.0025
4/16/2020	<0.0005	<0.0025					
4/17/2020				0.00026 (J)			<0.0025
4/18/2020			<0.0025		0.0016	0.0029	
10/7/2020	<0.0005	0.0046					
10/8/2020			<0.0025	<0.0025	0.0031	0.0028	0.0019 (J)
3/29/2021	<0.0005	0.0024					
3/30/2021			<0.0025	<0.0025		0.0015	<0.0025
3/31/2021					<0.0025		
9/2/2021	0.0014 (J)	<0.0025					
9/3/2021					0.0025	0.0011 (J)	<0.0025
9/7/2021			0.0012 (J)	0.0088			
3/22/2022	0.0046	0.0051					
3/23/2022			0.0063		0.001 (J)	0.00073	0.0044
3/24/2022				0.003			

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0005	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	<0.0025	0.002 (J)	
4/6/2023	<0.0005	<0.0025					
4/7/2023					<0.0025	0.0024 (J)	<0.0025
4/10/2023			<0.0025	<0.0025			
9/1/2023	<0.0005	0.00048 (J)					
9/6/2023				<0.0025	<0.0025		
9/7/2023			<0.0025			0.0034	<0.0025

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0025				
3/1/2016					<0.0025	0.00056 (J)
3/2/2016			<0.0025	<0.0025		
5/2/2016	0.0019 (J)	0.0034				0.0021 (J)
5/3/2016					0.0012 (J)	
5/5/2016			<0.0025	<0.0025		
7/5/2016	0.0051	0.0059			<0.0025	<0.0005
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0005	<0.0025			<0.0025	<0.0005
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0005	<0.0025			<0.0025	<0.0005
11/10/2016			<0.0025	<0.0025		
1/9/2017	0.017 (o)	<0.0025			<0.0025	<0.0005
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0005	<0.0025			<0.0025	<0.0005
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0005	<0.0025			<0.0025	<0.0005
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0005	<0.0025			<0.0025	<0.0005
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0005	<0.0025				
6/6/2018					<0.0025	<0.0005
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0005	<0.0025				
10/17/2018					<0.0025	<0.0005
10/18/2018			<0.0025	<0.0025		
2/27/2019	<0.0005	<0.0025			<0.0025	<0.0005
3/1/2019			<0.0025	<0.0025		
5/31/2019	<0.0005	<0.0025			<0.0025	<0.0005
6/3/2019			<0.0025	<0.0025		
11/6/2019	<0.0005	<0.0025			<0.0025	<0.0005
11/7/2019			<0.0025	0.00042 (J)		
4/16/2020	<0.0005	<0.0025			<0.0025	<0.0005
4/17/2020			<0.0025	0.0004 (J)		
10/7/2020	0.001 (J)	0.0015 (J)			0.0033	0.0017 (J)
10/9/2020			<0.0025	0.0016 (J)		
3/29/2021	<0.0005	<0.0025			<0.0025	<0.0005
3/31/2021			0.016	<0.0025		
9/2/2021	<0.0005	<0.0025			<0.0025	<0.0005
9/3/2021			<0.0025	<0.0025		
3/22/2022	0.00032 (J)	0.00027 (J)			0.0088	0.0022
3/23/2022			0.0061	0.0025		
9/7/2022	<0.0005					
9/8/2022		<0.0025	<0.0025		<0.0025	<0.0005
9/9/2022				<0.0025		
4/6/2023	<0.0005	<0.0025				<0.0005
4/7/2023					<0.0025	
4/10/2023			<0.0025	<0.0025		
9/1/2023	<0.0005	0.005			0.00056	<0.0005
9/6/2023			<0.0025	<0.0025		

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.00039 (J)	<0.0025					
3/1/2016			<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)
5/2/2016	0.0013 (J)						
5/4/2016		<0.0025					0.001 (J)
5/5/2016			<0.0025	0.00064 (J)	0.012	<0.0025	
7/5/2016	0.00049 (J)						
7/7/2016			<0.0025	<0.0025	0.012	<0.0025	
7/8/2016		<0.0025					0.00057 (J)
9/6/2016	0.00062 (J)	0.00042 (J)	<0.0025				
9/7/2016				0.00044 (J)	0.018	<0.0025	0.00061 (J)
11/7/2016	0.00049 (J)						
11/9/2016					0.022	<0.0025	0.00055 (J)
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	0.00045 (J)						
1/11/2017		<0.0025			0.025	<0.0025	0.00045 (J)
1/12/2017			<0.0025	<0.0025			
3/13/2017	0.00048 (J)						
3/14/2017		<0.0025			0.019	<0.0025	0.00059 (J)
3/15/2017			<0.0025	<0.0025			
5/15/2017	0.00052 (J)						
5/18/2017		<0.0025	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)
3/12/2018	0.00055 (J)						
3/14/2018		<0.0025	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)
6/5/2018	0.00051 (J)						
6/10/2018		<0.0025			0.029	<0.0025	0.0004 (J)
6/11/2018			<0.0025	<0.0025			
10/16/2018	0.00058 (J)						
10/18/2018		<0.0025		<0.0025	0.016	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	0.00065 (J)	<0.0025					
3/1/2019					0.009	<0.0025	<0.0025
3/2/2019			<0.0025	0.00041 (J)			
5/31/2019	0.00046 (J)	<0.0025					
6/3/2019			<0.0025		0.015	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	0.00056 (J)	0.00033 (J)					
11/7/2019				0.00015 (J)	0.022		
11/9/2019			0.00016 (J)			0.00087 (J)	0.00036 (J)
4/16/2020	0.00058	0.00035 (J)					
4/17/2020				0.00021 (J)			0.00036 (J)
4/18/2020			0.00023 (J)		0.013	0.00037 (J)	
10/7/2020	0.0006 (J)	<0.0025					
10/8/2020			<0.0025	<0.0025	0.017	<0.0025	<0.0025
3/29/2021	0.00059	<0.0025					
3/30/2021			<0.0025	<0.0025		<0.0025	<0.0025
3/31/2021					0.018		
9/2/2021	0.00069 (J)	<0.0025					
9/3/2021					0.018	<0.0025	<0.0025
9/7/2021			<0.0025	<0.0025			
3/22/2022	0.0014	0.0012					
3/23/2022			0.00088		0.023	0.00017 (J)	0.00099
3/24/2022				0.00026 (J)			

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0025	<0.0025					
9/8/2022							<0.0025
9/9/2022			<0.0025	<0.0025	0.032	<0.0025	
4/6/2023	0.0011 (J)	0.00087 (J)					
4/7/2023					0.023	<0.0025	0.00056 (J)
4/10/2023			<0.0025	<0.0025			
9/1/2023	0.00055	0.00033 (J)					
9/6/2023				<0.0025	0.018		
9/7/2023			<0.0025			<0.0025	<0.0025

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.00064 (J)	0.00023 (J)				
3/1/2016					0.00064 (J)	0.00071 (J)
3/2/2016			0.00075 (J)	0.0047 (J)		
5/2/2016	0.0014 (J)	0.00092 (J)				0.001 (J)
5/3/2016					0.00079 (J)	
5/5/2016			0.0042	0.0047		
7/5/2016	0.0027	0.0032			<0.0025	0.00055 (J)
7/7/2016			0.0043	0.0041		
9/6/2016	0.00062 (J)	<0.0025			0.00094 (J)	0.00057 (J)
9/7/2016			0.0049	0.0047		
11/7/2016	0.00058 (J)	<0.0025			0.00041 (J)	0.00047 (J)
11/10/2016			0.004	0.0043		
1/9/2017	0.00059 (J)	<0.0025			0.00074 (J)	0.00054 (J)
1/12/2017			0.0045	0.0048		
3/13/2017	0.0005 (J)	<0.0025			0.00091 (J)	0.0004 (J)
3/14/2017			0.0039			
3/15/2017				0.0066		
5/15/2017	0.00046 (J)	<0.0025			0.00075 (J)	0.00046 (J)
5/18/2017			0.005	0.0065		
3/12/2018	0.00055 (J)	<0.0025			0.00044 (J)	<0.0025
3/14/2018			0.0038	0.012		
6/5/2018	0.00052 (J)	<0.0025				
6/6/2018					0.0004 (J)	0.00048 (J)
6/11/2018			0.0044	0.0096		
10/16/2018	0.00045 (J)	<0.0025				
10/17/2018					<0.0025	0.00043 (J)
10/18/2018			0.0036	0.025		
2/27/2019	0.00056 (J)	<0.0025			<0.0025	0.00045 (J)
3/1/2019			0.0052	0.02		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			0.0071	0.0053		
11/6/2019	0.00048 (J)	0.00019 (J)			0.00029 (J)	0.00094 (J)
11/7/2019			0.0085	0.019		
4/16/2020	0.00043 (J)	0.00021 (J)			0.00029 (J)	0.00053
4/17/2020			0.0089	0.013		
10/7/2020	<0.0025	<0.0025			<0.0025	<0.0025
10/9/2020			0.0072	0.015		
3/29/2021	<0.0025	<0.0025			<0.0025	0.00062
3/31/2021			0.0023	0.0091		
9/2/2021	<0.0025	<0.0025			<0.0025	0.00069 (J)
9/3/2021			0.015	0.0032		
3/22/2022	0.00038 (J)	0.0002 (J)			0.0014	0.0016
3/23/2022			0.0094	0.013		
9/7/2022	<0.0025					
9/8/2022		<0.0025	0.0077		<0.0025	0.00064 (J)
9/9/2022				0.019		
4/6/2023	0.00098 (J)	0.00078 (J)				0.0022 (J)
4/7/2023					0.00072 (J)	
4/10/2023			0.007	0.014		
9/1/2023	0.00039 (J)	0.00026 (J)			0.00024 (J)	0.00098
9/6/2023			0.007	0.028		

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1.27	1.09					
3/1/2016			0.996	5.24	11.8	4.21	0.872
5/2/2016	0.808						
5/4/2016		0.848					<5
5/5/2016			2.82	4.13	9.43	2.24	
7/5/2016	0.947						
7/7/2016			1.58	7.01	13.8	3.28	
7/8/2016		1.46					1.02
9/6/2016	1.07	1.34	1.46				
9/7/2016				7.94	13.7	2.83	0.826
11/7/2016	0.602						
11/9/2016					16.9	4.28	1.17
11/10/2016		1.23	1.92	7			
1/9/2017	0.865						
1/11/2017		1.11			24.9	4.62	0.924
1/12/2017			1.48	7.87			
3/13/2017	0.693						
3/14/2017		1.01			15.5	2.28	0.889
3/15/2017			1.41	7.1			
5/15/2017	0.786						
5/18/2017		0.745	1.23	7.26	19.8	3	0.338
3/12/2018	0.933						
3/14/2018		0.614	1.64	7.02	13.1	2.82	0.789
6/5/2018	0.713						
6/10/2018		0.959			19.1	6.2	0.852
6/11/2018			1.51	5.54			
10/16/2018	2.14						
10/18/2018		0.944		5.59	12.1	2.89	1.05
10/19/2018			1				
2/27/2019	0.651	0.827					
3/1/2019					10.4	2.89	1.01
3/2/2019			1.5	1.69			
5/31/2019	1.33	0.99					
6/3/2019			2.67		19.1	4.84	1.33
6/11/2019				5.8			
11/6/2019	1.32	0.892					
11/7/2019				4.83	20.8		
11/9/2019			1.31			6.06	0.663
4/16/2020	0.971	0.497					
4/17/2020				5.33			0.604
4/18/2020			0.931		13.8	2.03	
10/7/2020	1.14	1.07					
10/8/2020			1.08	5.59	13.6	2.03	1.49
3/29/2021	1.72	0.561					
3/30/2021			1.46	5.05		3.57	1.8
3/31/2021					21		
9/2/2021	1.65	0.975					
9/3/2021					15.1	1.87	0.866
9/7/2021			1.47	4.59			
3/22/2022	1.75	1.1					
3/23/2022			2.18		16.5	1.79	1.17
3/24/2022				4.52			

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	2	1.32					
9/8/2022							1.49
9/9/2022			5.92	3.16	21.2	2.04	
4/6/2023	0.942	0.754					
4/7/2023					13	3.09	0.94
4/10/2023			1.03	5.3			
9/1/2023	1.33	1.21					
9/6/2023				4.92	11		
9/7/2023			1.2			2.26	1.77

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	1.42	2.4				
3/1/2016					0.647	<5
3/2/2016			2.39	7.8		
5/2/2016	1.03	1.62				<5
5/3/2016					0.748	
5/5/2016			1.54	5.51		
7/5/2016	0.961	1.01			0.591	<5
7/7/2016			2.17	7.65		
9/6/2016	1.07	1.8			0.831	0.566
9/7/2016			2.24	5.9		
11/7/2016	0.818	1.86			0.983	0.784
11/10/2016			2.69	5.04		
1/9/2017	0.934	2.25			0.767	0.541
1/12/2017			1.81	9.04		
3/13/2017	0.937	1.87			1.26	0.442
3/14/2017			1.74			
3/15/2017				6.46		
5/15/2017	0.685	1.4			0.553	0.345
5/18/2017			1.7	8.31		
3/12/2018	1.09	1.97			0.783	0.848
3/14/2018			1.99	7.06		
6/5/2018	0.927	2.17				
6/6/2018					1.08	0.78
6/11/2018			1.59	7.06		
10/16/2018	1.07	2.2				
10/17/2018					1.19	0.88
10/18/2018			1.77	7.22		
2/27/2019	0.912	1.8			0.741	0.431
3/1/2019			1.51	5.59		
5/31/2019	1.24	1.8			0.759	0.884
6/3/2019			0.42 (U)	4.73		
11/6/2019	0.509 (U)	2.32			0.105 (U)	0.366 (U)
11/7/2019			3.07	5.46		
4/16/2020	0.568	1.35			0.588	0.264 (U)
4/17/2020			2.45	4.26		
10/7/2020	0.763	1.75			0.709 (U)	0.46 (U)
10/9/2020			4	5.63		
3/29/2021	0.708				0.899	0.642
3/30/2021		1.71				
3/31/2021			3.92	5.69		
9/2/2021	1.75	2.13			0.856	0.951
9/3/2021			5.26	4.72		
3/22/2022	1.78	3.12			1.33	1.32
3/23/2022			3.57	6.71		
9/7/2022	1.46					
9/8/2022		3.32	2.78		0.936	1.36
9/9/2022				6.33		
4/6/2023	0.97	2.58				1.28
4/7/2023					1.26	
4/10/2023			2.34	4.17		
9/1/2023	1.49	3.12			1.22	1.12
9/6/2023			3.57	6.31		

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

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.11	5.26					
3/1/2016			5.03	5.86	4.09	6.12	5.84
5/2/2016	4.76						
5/4/2016		5.1					5.69
5/5/2016			5.03	5.77	4.12	6.25	
7/5/2016	5.12						
7/7/2016			4.85	5.45	3.99	5.99	
7/8/2016		4.96					5.49
9/6/2016	5.11	5.43	4.84				
9/7/2016				5.01	4.06	6.03	5.22
11/7/2016	4.76						
11/9/2016					4.05	6.01	5.39
11/10/2016		4.89	4.72	4.99			
1/9/2017	4.99						
1/11/2017		4.87			4.01	6.04	5.12
1/12/2017			4.79	4.95			
3/13/2017	4.57						
3/14/2017		4.71			4.06	6.11	5.05
3/15/2017			4.81	5.03			
5/15/2017	4.6						
5/18/2017		4.5	4.5	4.75	3.65	5.88	4.68
10/2/2017	4.64						
10/5/2017		4.63			3.79	6.07	4.77
10/6/2017			4.56	5.07			
12/19/2017				5.1 (R)	4.1 (R)	6.11 (R)	
3/12/2018	4.85						
3/14/2018		5.14	5.08	4.89	4.2	6.29	5.28
6/5/2018	4.92						
6/10/2018		5.12			3.97	5.96	4.99
6/11/2018			4.81	5.02			
10/16/2018	4.93						
10/18/2018		4.97		4.93	4.12	6.19	5.07
10/19/2018			5.15				
2/27/2019	4.75	4.84					
3/1/2019					4.19	6.27	5.13
3/2/2019			4.81	5.58			
5/31/2019	4.9	4.92					
6/3/2019			4.7		4.17	6.23	5.12
6/11/2019				4.97			
11/6/2019	4.82	4.94					
11/7/2019				4.99	4.03		
11/9/2019			4.78			6.19	5.06
4/16/2020	5.03	5.17					
4/17/2020				5.07			5.23
4/18/2020			4.96		4.08	6.21	
10/7/2020	4.74	5.08					
10/8/2020			4.87	4.98	4.13	6.29	5.34
3/29/2021	4.79	4.92					
3/30/2021			4.82	5.04		6.31	4.98
3/31/2021					3.7		
9/2/2021	4.81	5.07					
9/3/2021					4.32	6.17	4.85

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			4.62	5.11			
3/22/2022	4.9	5.02					
3/23/2022			5.02		4.15	6.48	4.99
3/24/2022				5.02			
9/7/2022	4.72	4.89					
9/8/2022							5
9/9/2022			4.96	5.19	4.08	6.47	
4/6/2023	4.8	4.79					
4/7/2023					4.1	6.32	4.94
4/10/2023			4.71	4.92			
9/1/2023	4.75	4.86					
9/6/2023				4.92	4.17		
9/7/2023			4.76			6.36	4.96

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.11	4.9				
3/1/2016					5.08	6.37 (o)
3/2/2016			5.015 (D)	5.015 (D)		
5/2/2016	4.77	4.69				5.605 (D)
5/3/2016					5.14	
5/5/2016			4.87	5.04		
7/5/2016	5.48	7.11 (o)			5.38	6.29 (o)
7/7/2016			4.86	5.55		
9/6/2016	5.12	5.19			5.37	6.42 (o)
9/7/2016			4.72	4.86		
11/7/2016	4.73	4.64			4.92	5.75
11/10/2016			4.72	5.19		
1/9/2017	5	4.94			5.05	5.98
1/12/2017			4.67	4.84		
3/13/2017	4.74	4.63			4.87	5.81
3/14/2017			4.77			
3/15/2017				4.86		
5/15/2017	4.63	4.52			4.69	5.42
5/18/2017			4.43	4.59		
10/2/2017	4.63	4.54			4.88	5.63
10/5/2017			4.52			
10/6/2017				5.73		
12/19/2017			4.76 (R)	4.84 (R)		
3/12/2018	4.81	4.81			5.07	5.6
3/14/2018			4.71	4.75		
6/5/2018	5.04	4.9				
6/6/2018					5.09	5.58
6/11/2018			4.78	4.77		
10/16/2018	4.98	4.81				
10/17/2018					4.99	5.54
10/18/2018			4.76	4.73		
2/27/2019	4.78	4.71			4.87	5.4
3/1/2019			4.85	4.76		
5/31/2019	4.92	4.84			4.89	5.45
6/3/2019			4.75	5.56		
11/6/2019	4.88	4.78			5.04	5.52
11/7/2019			4.78	4.74		
4/16/2020	5.15	4.96			5.13	5.58
4/17/2020			4.75	4.7		
10/7/2020	4.91	4.8			5.13	5.5
10/9/2020			4.77	4.9		
3/29/2021	4.89	4.8			4.93	5.46
3/31/2021			4.64	4.85		
9/2/2021	4.87	4.77			4.94	5.16
9/3/2021			4.72	6.28		
3/22/2022	4.91	4.89			5.1	5.18
3/23/2022			5	5.01		
9/7/2022	4.92					
9/8/2022		4.78	4.82		4.87	5.13
9/9/2022				4.68		
4/6/2023	4.88	4.8				5.02
4/7/2023					4.9	

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			4.87	4.72		
9/1/2023	4.85	4.81			4.99	5.03
9/6/2023			4.96	4.75		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.1	<0.1					
3/1/2016			<0.1	0.037 (J)	0.46	0.041 (J)	<0.1
5/2/2016	<0.1						
5/4/2016		<0.1					<0.1
5/5/2016			<0.1	<0.1	0.27	<0.1	
7/5/2016	<0.1						
7/7/2016			<0.1	<0.1	0.29	<0.1	
7/8/2016		<0.1					<0.1
9/6/2016	<0.1	<0.1	<0.1				
9/7/2016				<0.1	0.33	<0.1	<0.1
11/7/2016	<0.1						
11/9/2016					0.29	<0.1	<0.1
11/10/2016		<0.1	<0.1	<0.1			
1/9/2017	<0.1						
1/11/2017		<0.1			0.42	<0.1	<0.1
1/12/2017			<0.1	<0.1			
3/13/2017	<0.1						
3/14/2017		<0.1			0.34	<0.1	<0.1
3/15/2017			<0.1	<0.1			
5/15/2017	<0.1						
5/18/2017		<0.1	<0.1	<0.1	0.47	<0.1	<0.1
10/2/2017	<0.1						
10/5/2017		<0.1			0.22	<0.1	<0.1
10/6/2017			<0.1	<0.1			
12/19/2017					0.26 (R)		
3/12/2018	<0.1						
3/14/2018		0.12	<0.1	<0.1	0.3	<0.1	<0.1
6/5/2018	<0.1						
6/10/2018		<0.1			0.38	<0.1	<0.1
6/11/2018			<0.1	<0.1			
10/16/2018	<0.1						
10/18/2018		<0.1		<0.1	0.26	0.04 (J)	<0.1
10/19/2018			<0.1				
2/27/2019	<0.1	<0.1					
3/1/2019					0.1	<0.1	<0.1
3/2/2019			<0.1	<0.1			
5/31/2019	<0.1	<0.1					
6/3/2019			<0.1		0.22	0.04 (J)	<0.1
6/11/2019				<0.1			
11/6/2019	<0.1	<0.1					
11/7/2019				<0.1	0.21		
11/9/2019			<0.1			<0.1	<0.1
4/16/2020	<0.1	<0.1					
4/17/2020				<0.1			<0.1
4/18/2020			<0.1		0.3	0.04 (J)	
10/7/2020	<0.1	<0.1					
10/8/2020			<0.1	0.24	0.26	0.04 (J)	<0.1
3/29/2021	0.06	<0.1					
3/30/2021			<0.1	<0.1		0.04	<0.1
3/31/2021					0.34		
9/2/2021	0.08 (J)	0.04 (J)					
9/3/2021					0.41	0.07 (J)	<0.1

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<0.1	<0.1			
3/22/2022	<0.1	<0.1					
3/23/2022			<0.1		0.3	<0.1	<0.1
3/24/2022				<0.1			
9/7/2022	<0.1	<0.1					
9/8/2022							<0.1
9/9/2022			<0.1	<0.1	<0.1	<0.1	
4/6/2023	<0.1	<0.1					
4/7/2023					0.31	<0.1	<0.1
4/10/2023			<0.1	<0.1			
9/1/2023	<0.1	<0.1					
9/6/2023				<0.1	0.22		
9/7/2023			<0.1			<0.1	<0.1

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1				
3/1/2016					<0.1	0.033 (J)
3/2/2016			<0.1	0.039 (J)		
5/2/2016	<0.1	<0.1				<0.1
5/3/2016					<0.1	
5/5/2016			<0.1	<0.1		
7/5/2016	<0.1	<0.1			<0.1	<0.1
7/7/2016			<0.1	<0.1		
9/6/2016	<0.1	<0.1			<0.1	<0.1
9/7/2016			<0.1	<0.1		
11/7/2016	<0.1	<0.1			<0.1	<0.1
11/10/2016			<0.1	<0.1		
1/9/2017	<0.1	<0.1			<0.1	<0.1
1/12/2017			<0.1	<0.1		
3/13/2017	<0.1	<0.1			<0.1	<0.1
3/14/2017			<0.1			
3/15/2017				<0.1		
5/15/2017	<0.1	<0.1			<0.1	<0.1
5/18/2017			<0.1	<0.1		
10/2/2017	<0.1	<0.1			<0.1	<0.1
10/5/2017			<0.1			
10/6/2017				<0.1		
3/12/2018	<0.1	<0.1			<0.1	<0.1
3/14/2018			<0.1	<0.1		
6/5/2018	<0.1	<0.1				
6/6/2018					<0.1	<0.1
6/11/2018			<0.1	0.04 (J)		
10/16/2018	<0.1	<0.1				
10/17/2018					<0.1	<0.1
10/18/2018			<0.1	0.04 (J)		
2/27/2019	<0.1	<0.1			<0.1	<0.1
3/1/2019			<0.1	<0.1		
5/31/2019	<0.1	<0.1			<0.1	<0.1
6/3/2019			<0.1	0.04 (J)		
11/6/2019	<0.1	<0.1			<0.1	<0.1
11/7/2019			<0.1	0.04 (J)		
4/16/2020	<0.1	<0.1			<0.1	<0.1
4/17/2020			<0.1	0.04 (J)		
10/7/2020	<0.1	<0.1			<0.1	<0.1
10/9/2020			<0.1	<0.1		
3/29/2021	<0.1	<0.1			<0.1	<0.1
3/31/2021			<0.1	0.04		
9/2/2021	0.1	<0.1			<0.1	0.04 (J)
9/3/2021			0.05 (J)	0.07 (J)		
3/22/2022	<0.1	<0.1			<0.1	<0.1
3/23/2022			<0.1	<0.1		
9/7/2022	<0.1					
9/8/2022		<0.1	<0.1		<0.1	<0.1
9/9/2022				<0.1		
4/6/2023	<0.1	<0.1				<0.1
4/7/2023					<0.1	
4/10/2023			<0.1	<0.1		

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
9/1/2023	<0.1	<0.1			<0.1	<0.1
9/6/2023			<0.1	<0.1		

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

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.00025	<0.00025					
3/1/2016			<0.0013	<0.0013	0.0018 (J)	<0.0013	<0.0013
5/2/2016	<0.00025						
5/4/2016		<0.00025					<0.0013
5/5/2016			<0.0013	<0.0013	0.0015	<0.0013	
7/5/2016	<0.00025						
7/7/2016			<0.0013	<0.0013	0.0018	<0.0013	
7/8/2016		<0.00025					<0.0013
9/6/2016	<0.00025	<0.00025	<0.0013				
9/7/2016				<0.0013	0.0024	<0.0013	<0.0013
11/7/2016	<0.00025						
11/9/2016					0.0023	<0.0013	<0.0013
11/10/2016		<0.00025	<0.0013	<0.0013			
1/9/2017	<0.00025						
1/11/2017		<0.00025			0.0027	<0.0013	<0.0013
1/12/2017			<0.0013	<0.0013			
3/13/2017	<0.00025						
3/14/2017		<0.00025			0.0024	<0.0013	<0.0013
3/15/2017			<0.0013	<0.0013			
5/15/2017	<0.00025						
5/18/2017		<0.00025	<0.0013	<0.0013	0.0029	<0.0013	<0.0013
3/12/2018	<0.00025						
3/14/2018		<0.00025	<0.0013	<0.0013	0.0023	<0.0013	<0.0013
6/5/2018	<0.00025						
6/10/2018		<0.00025			0.0024	<0.0013	<0.0013
6/11/2018			<0.0013	<0.0013			
10/16/2018	<0.00025						
10/18/2018		<0.00025		<0.0013	0.002	<0.0013	0.00039 (J)
10/19/2018			<0.0013				
2/27/2019	<0.00025	<0.00025					
3/1/2019					0.0012 (J)	<0.0013	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.00025	<0.00025					
6/3/2019			<0.0013		0.0018	0.00091 (J)	<0.0013
6/11/2019				<0.0013			
11/6/2019	0.0001 (J)	<0.00025					
11/7/2019				0.00011 (J)	0.002		
11/9/2019			0.00014 (J)			0.00012 (J)	<0.0013
4/16/2020	6.6E-05 (J)	<0.00025					
4/17/2020				<0.0013			<0.0013
4/18/2020			0.00018 (J)		0.0024	<0.0013	
10/7/2020	<0.00025	<0.00025					
10/8/2020			<0.0013	<0.0013	0.0019	<0.0013	<0.0013
3/29/2021	<0.00025	<0.00025					
3/30/2021			<0.0013	<0.0013		<0.0013	<0.0013
3/31/2021					0.0022		
9/2/2021	<0.00025	<0.00025					
9/3/2021					0.002	<0.0013	<0.0013
9/7/2021			<0.0013	<0.0013			
3/22/2022	<0.00025	<0.00025					
3/23/2022			<0.0013		0.0018	<0.0013	<0.0013
3/24/2022				<0.0013			

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

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.00025	<0.00025					
9/8/2022							<0.0013
9/9/2022			<0.0013	<0.0013	0.0021	<0.0013	
4/6/2023	<0.00025	<0.00025					
4/7/2023					0.002	<0.0013	<0.0013
4/10/2023			<0.0013	<0.0013			
9/1/2023	<0.00025	<0.00025					
9/6/2023				<0.0013	0.0016		
9/7/2023			<0.0013			<0.0013	<0.0013

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

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025				
3/1/2016					<0.00025	<0.00025
3/2/2016			<0.0013	<0.0013		
5/2/2016	<0.00025	<0.00025				<0.00025
5/3/2016					<0.00025	
5/5/2016			<0.0013	<0.0013		
7/5/2016	<0.00025	<0.00025			<0.00025	<0.00025
7/7/2016			<0.0013	<0.0013		
9/6/2016	<0.00025	<0.00025			<0.00025	<0.00025
9/7/2016			<0.0013	<0.0013		
11/7/2016	<0.00025	<0.00025			<0.00025	<0.00025
11/10/2016			<0.0013	<0.0013		
1/9/2017	<0.00025	<0.00025			<0.00025	<0.00025
1/12/2017			<0.0013	<0.0013		
3/13/2017	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2017			<0.0013			
3/15/2017				<0.0013		
5/15/2017	<0.00025	<0.00025			<0.00025	<0.00025
5/18/2017			<0.0013	<0.0013		
3/12/2018	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2018			<0.0013	<0.0013		
6/5/2018	<0.00025	<0.00025				
6/6/2018					<0.00025	<0.00025
6/11/2018			<0.0013	<0.0013		
10/16/2018	<0.00025	<0.00025				
10/17/2018					<0.00025	<0.00025
10/18/2018			<0.0013	<0.0013		
2/27/2019	0.001 (J)	<0.00025			<0.00025	<0.00025
3/1/2019			<0.0013	<0.0013		
5/31/2019	<0.00025	<0.00025			<0.00025	<0.00025
6/3/2019			0.00067 (J)	0.00037 (J)		
11/6/2019	6.6E-05 (J)	8.4E-05 (J)			<0.00025	0.0002 (J)
11/7/2019			9.4E-05 (J)	0.0003 (J)		
4/16/2020	<0.00025	<0.00025			<0.00025	0.00016 (J)
4/17/2020			0.00011 (J)	0.00033		
10/7/2020	<0.00025	<0.00025			<0.00025	<0.00025
10/9/2020			0.0012 (J)	0.0003 (J)		
3/29/2021	<0.00025	<0.00025			<0.00025	<0.00025
3/31/2021			<0.0013	0.0004		
9/2/2021	<0.00025	<0.00025			<0.00025	<0.00025
9/3/2021			<0.0013	<0.0013		
3/22/2022	<0.00025	<0.00025			<0.00025	<0.00025
3/23/2022			<0.0013	<0.0013		
9/7/2022	<0.00025					
9/8/2022		<0.00025	<0.0013		<0.00025	<0.00025
9/9/2022				<0.0013		
4/6/2023	<0.00025	<0.00025				<0.00025
4/7/2023					<0.00025	
4/10/2023			<0.0013	<0.0013		
9/1/2023	<0.00025	<0.00025			<0.00025	<0.00025
9/6/2023			<0.0013	<0.0013		

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.005	<0.005					
3/1/2016			<0.005	<0.005	0.057	<0.005	<0.005
5/2/2016	<0.005						
5/4/2016		<0.005					<0.005
5/5/2016			<0.005	<0.005	0.044	<0.005	
7/5/2016	<0.005						
7/7/2016			<0.005	<0.005	0.04	<0.005	
7/8/2016		<0.005					<0.005
9/6/2016	<0.005	0.0037 (J)	<0.005				
9/7/2016				<0.005	0.033	<0.005	0.0073
11/7/2016	<0.005						
11/9/2016					0.035	<0.005	<0.005
11/10/2016		<0.005	<0.005	<0.005			
1/9/2017	<0.005						
1/11/2017		<0.005			0.028	<0.005	<0.005
1/12/2017			<0.005	<0.005			
3/13/2017	<0.005						
3/14/2017		<0.005			0.037	<0.005	0.0035 (J)
3/15/2017			<0.005	0.0038 (J)			
5/15/2017	<0.005						
5/18/2017		<0.005	<0.005	<0.005	0.024	<0.005	<0.005
3/12/2018	0.0011 (J)						
3/14/2018		<0.005	<0.005	0.002 (J)	0.028	<0.005	<0.005
6/5/2018	<0.005						
6/10/2018		<0.005			0.019	<0.005	<0.005
6/11/2018			<0.005	0.0015 (J)			
10/16/2018	<0.005						
10/18/2018		0.0013 (J)		0.0017 (J)	0.022	<0.005	0.0012 (J)
10/19/2018			0.0012 (J)				
2/27/2019	<0.005	<0.005					
3/1/2019					0.017	<0.005	0.0012 (J)
3/2/2019			0.0014 (J)	0.0011 (J)			
5/31/2019	0.0021 (J)	0.0013 (J)					
6/3/2019			<0.005		0.017	<0.005	<0.005
6/11/2019				0.0025 (J)			
11/6/2019	0.0011	0.001					
11/7/2019				0.00097 (J)	0.019		
11/9/2019			0.0009 (J)			<0.005	0.00068 (J)
4/16/2020	0.0006 (J)	<0.005					
4/17/2020				0.0021			0.00043 (J)
4/18/2020			<0.005		0.017	0.00039 (J)	
10/7/2020	0.0054	0.0052					
10/8/2020			<0.005	<0.005	0.017	<0.005	<0.005
3/29/2021	<0.005	0.0019					
3/30/2021			<0.005	0.002		<0.005	<0.005
3/31/2021					0.015		
9/2/2021	<0.005	<0.005					
9/3/2021					0.021	<0.005	<0.005
9/7/2021			<0.005	0.0027 (J)			
3/22/2022	0.0013	0.0014					
3/23/2022			<0.005		0.02	<0.005	<0.005
3/24/2022				0.00099 (J)			

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.005	<0.005					
9/8/2022							<0.005
9/9/2022			<0.005	<0.005	0.015	<0.005	
4/6/2023	<0.005	<0.005					
4/7/2023					0.015	<0.005	<0.005
4/10/2023			<0.005	<0.005			
9/1/2023	<0.005	<0.005					
9/6/2023				<0.005	0.02		
9/7/2023			<0.005			<0.005	<0.005

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

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.005	<0.005				
3/1/2016					<0.005	0.0037
3/2/2016			0.0095 (J)	0.0082 (J)		
5/2/2016	<0.005	<0.005				<0.005
5/3/2016					<0.005	
5/5/2016			0.0059	0.0072		
7/5/2016	<0.005	<0.005			<0.005	<0.005
7/7/2016			0.006	0.0092		
9/6/2016	<0.005	<0.005			<0.005	<0.005
9/7/2016			0.0049 (J)	0.0069		
11/7/2016	<0.005	<0.005			<0.005	0.0097 (o)
11/10/2016			0.0055	0.0045 (J)		
1/9/2017	<0.005	<0.005			<0.005	<0.005
1/12/2017			0.0045 (J)	0.0073		
3/13/2017	<0.005	<0.005			<0.005	<0.005
3/14/2017			0.0069			
3/15/2017				0.012		
5/15/2017	<0.005	<0.005			<0.005	<0.005
5/18/2017			0.0055	0.0084		
3/12/2018	0.0014 (J)	<0.005			<0.005	<0.005
3/14/2018			0.0059	0.012		
6/5/2018	0.0012 (J)	<0.005				
6/6/2018					<0.005	0.0021 (J)
6/11/2018			0.0042 (J)	0.009		
10/16/2018	0.0015 (J)	0.0013 (J)				
10/17/2018					<0.005	0.0012 (J)
10/18/2018			0.0062	0.011		
2/27/2019	<0.005	<0.005			<0.005	0.002 (J)
3/1/2019			0.0054	0.0077		
5/31/2019	0.0017 (J)	0.0017 (J)			0.0015 (J)	0.0026 (J)
6/3/2019			0.0054	0.0082		
11/6/2019	0.0011	<0.005			0.00063 (J)	0.0012
11/7/2019			0.0052	0.014		
4/16/2020	0.00063 (J)	<0.005			<0.005	0.00091 (J)
4/17/2020			0.0076	0.0092		
10/7/2020	0.0054	0.0048 (J)			0.005	0.0049 (J)
10/9/2020			0.0053	0.011		
3/29/2021	<0.005	<0.005			<0.005	0.0042
3/31/2021			0.0059	0.017		
9/2/2021	<0.005	<0.005			<0.005	<0.005
9/3/2021			0.0067	0.092		
3/22/2022	<0.005	<0.005			0.0012	<0.005
3/23/2022			0.0062	0.011		
9/7/2022	<0.005					
9/8/2022		<0.005	<0.005		<0.005	<0.005
9/9/2022				0.006		
4/6/2023	<0.005	<0.005				<0.005
4/7/2023					<0.005	
4/10/2023			0.0066	0.0077		
9/1/2023	<0.005	<0.005			<0.005	<0.005
9/6/2023			<0.005	0.0074		

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0002	<0.0002					
3/1/2016			<0.0002	<0.0002	0.00089	<0.0002	<0.0002
5/2/2016	<0.0002						
5/4/2016		<0.0002					<0.0002
5/5/2016			<0.0002	<0.0002	0.00054	<0.0002	
7/5/2016	<0.0002						
7/7/2016			<0.0002	<0.0002 (*)	0.00066 (V)	<0.0002	
7/8/2016		<0.0002 (*)					<0.0002 (*)
9/6/2016	<0.0002 (*)	<0.0002	<0.0002				
9/7/2016				<0.0002	0.0016	<0.0002	<0.0002
11/7/2016	<0.0002						
11/9/2016					0.0015	<0.0002	<0.0002
11/10/2016		<0.0002	<0.0002	<0.0002			
1/9/2017	<0.0002 (*)						
1/11/2017		<0.0002			0.0025	<0.0002	<0.0002
1/12/2017			<0.0002	<0.0002			
3/13/2017	<0.0002						
3/14/2017		<0.0002 (*)			0.0012	<0.0002	<0.0002
3/15/2017			<0.0002	<0.0002 (*)			
5/15/2017	<0.0002						
5/18/2017		<0.0002	<0.0002	<0.0002	0.0014	<0.0002	<0.0002
3/12/2018	<0.0002						
3/14/2018		9.3E-05 (J)	9.4E-05 (J)	0.00012 (J)	0.0011	<0.0002	8E-05 (J)
6/5/2018	<0.0002						
6/10/2018		<0.0002			0.0014	<0.0002	<0.0002
6/11/2018			<0.0002	<0.0002			
10/16/2018	<0.0002						
10/18/2018		<0.0002		<0.0002	0.00087	<0.0002	<0.0002
10/19/2018			9.4E-05 (J)				
2/27/2019	<0.0002	<0.0002					
3/1/2019					0.00077	<0.0002	<0.0002
3/2/2019			<0.0002	<0.0002			
5/31/2019	<0.0002	<0.0002					
6/3/2019			<0.0002		0.00054	<0.0002	<0.0002
6/11/2019				<0.0002			
11/6/2019	<0.0002	<0.0002					
11/7/2019				<0.0002	0.00053		
11/9/2019			<0.0002			<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002					
4/17/2020				0.00062			<0.0002
4/18/2020			<0.0002		0.00069	<0.0002	
10/7/2020	<0.0002	<0.0002					
10/8/2020			<0.0002	0.00016 (J)	0.00087	<0.0002	<0.0002
3/29/2021	<0.0002	<0.0002					
3/30/2021			<0.0002	<0.0002		<0.0002	<0.0002
3/31/2021					0.00072		
9/2/2021	<0.0002	<0.0002					
9/3/2021					0.00048	<0.0002	<0.0002
9/7/2021			<0.0002	<0.0002			
3/22/2022	<0.0002	<0.0002					
3/23/2022			<0.0002		0.00032	<0.0002	<0.0002
3/24/2022				<0.0002			

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0002	<0.0002					
9/8/2022							<0.0002
9/9/2022			<0.0002	<0.0002	0.00082	<0.0002	
4/6/2023	<0.0002	<0.0002					
4/7/2023					0.00064	<0.0002	<0.0002
4/10/2023			<0.0002	<0.0002			
9/1/2023	<0.0002	<0.0002					
9/6/2023				<0.0002	0.00032		
9/7/2023			<0.0002			<0.0002	<0.0002

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	9.1E-05 (J)	<0.0002				
3/1/2016					<0.0002	<0.0002
3/2/2016			<0.0002	0.007		
5/2/2016	7.4E-05 (J)	<0.0002				<0.0002
5/3/2016					<0.0002	
5/5/2016			<0.0002	0.006		
7/5/2016	<0.0002	<0.0002			<0.0002	<0.0002
7/7/2016			<0.0002 (*)	0.0053		
9/6/2016	<0.0002 (*)	<0.0002			<0.0002 (*)	<0.0002 (*)
9/7/2016			<0.0002	0.0067		
11/7/2016	<0.0002	<0.0002			<0.0002	<0.0002
11/10/2016			<0.0002	0.00014 (J)		
1/9/2017	<0.0002 (*)	<0.0002 (*)			<0.0002 (*)	<0.0002 (*)
1/12/2017			<0.0002	0.0052		
3/13/2017	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2017			<0.0002			
3/15/2017				0.0048		
5/15/2017	<0.0002	<0.0002			<0.0002	<0.0002
5/18/2017			<0.0002	0.0074		
3/12/2018	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2018			9.7E-05 (J)	0.0059		
6/5/2018	<0.0002	<0.0002				
6/6/2018					<0.0002	<0.0002
6/11/2018			<0.0002	0.0042		
10/16/2018	<0.0002	<0.0002				
10/17/2018					<0.0002	<0.0002
10/18/2018			<0.0002	0.0034		
2/27/2019	<0.0002	<0.0002			<0.0002	<0.0002
3/1/2019			<0.0002	0.0041		
5/31/2019	<0.0002	<0.0002			<0.0002	<0.0002
6/3/2019			<0.0002	0.0025		
11/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
11/7/2019			0.0012	0.0034		
4/16/2020	<0.0002	<0.0002			<0.0002	<0.0002
4/17/2020			0.0032	0.0063		
10/7/2020	0.00025	0.00013 (J)			8E-05 (J)	<0.0002
10/9/2020			0.0014	0.0049		
3/29/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/31/2021			0.00035	0.0055		
9/2/2021	<0.0002	<0.0002			<0.0002	<0.0002
9/3/2021			0.0012	0.0012		
3/22/2022	<0.0002	<0.0002			<0.0002	<0.0002
3/23/2022			0.00047	0.0034		
9/7/2022	<0.0002					
9/8/2022		<0.0002	0.00041		<0.0002	<0.0002
9/9/2022				0.0036		
4/6/2023	<0.0002	<0.0002				<0.0002
4/7/2023					<0.0002	
4/10/2023			<0.0002	0.0032		
9/1/2023	<0.0002	<0.0002			<0.0002	<0.0002
9/6/2023			0.00092	0.0027		

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.003	<0.003					
3/1/2016			<0.015	<0.015	<0.015	0.004 (J)	<0.015
5/2/2016	<0.003						
5/4/2016		<0.003					<0.015
5/5/2016			<0.015	<0.015	<0.015	0.0093 (J)	
7/5/2016	<0.003						
7/7/2016			<0.015	<0.015	<0.015	0.0047 (J)	
7/8/2016		<0.003					<0.015
9/6/2016	<0.003	<0.003	<0.015				
9/7/2016				<0.015	<0.015	0.004 (J)	<0.015
11/7/2016	<0.003						
11/9/2016					<0.015	0.0037 (J)	<0.015
11/10/2016		<0.003	<0.015	<0.015			
1/9/2017	<0.003						
1/11/2017		<0.003			<0.015	0.0052 (J)	<0.015
1/12/2017			<0.015	<0.015			
3/13/2017	0.0042 (J)						
3/14/2017		<0.003			<0.015	0.004 (J)	<0.015
3/15/2017			<0.015	<0.015			
5/15/2017	<0.003						
5/18/2017		<0.003	<0.015	<0.015	<0.015	0.0043 (J)	<0.015
3/12/2018	<0.003						
3/14/2018		<0.003	<0.015	<0.015	<0.015	0.0054 (J)	<0.015
6/5/2018	<0.003						
6/10/2018		<0.003			<0.015	0.0035 (J)	<0.015
6/11/2018			<0.015	<0.015			
10/16/2018	<0.003						
10/18/2018		<0.003		<0.015	<0.015	0.0032 (J)	<0.015
10/19/2018			<0.015				
2/27/2019	<0.003	<0.003					
3/1/2019					<0.015	0.0047 (J)	<0.015
3/2/2019			<0.015	<0.015			
5/31/2019	<0.003	<0.003					
6/3/2019			<0.015		<0.015	0.0033 (J)	<0.015
6/11/2019				<0.015			
11/6/2019	<0.003	<0.003					
11/7/2019				<0.015	<0.015		
11/9/2019			<0.015			0.0025 (J)	<0.015
4/16/2020	<0.003	<0.003					
4/17/2020				<0.015			<0.015
4/18/2020			<0.015		<0.015	0.003	
10/7/2020	<0.003	<0.003					
10/8/2020			<0.015	<0.015	<0.015	<0.015	<0.015
3/29/2021	<0.003	<0.003					
3/30/2021			<0.015	<0.015		0.005	<0.015
3/31/2021					<0.015		
9/2/2021	<0.003	<0.003					
9/3/2021					<0.015	0.0057 (J)	<0.015
9/7/2021			<0.015	<0.015			
3/22/2022	0.00066 (J)	0.00064 (J)					
3/23/2022			0.00091 (J)		<0.015	0.0089	0.00068 (J)
3/24/2022				0.00092 (J)			

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.003	<0.003					
9/8/2022							<0.015
9/9/2022			<0.015	<0.015	<0.015	0.0044 (J)	
4/6/2023	<0.003	<0.003					
4/7/2023					<0.015	0.0027 (J)	<0.015
4/10/2023			<0.015	<0.015			
9/1/2023	<0.003	<0.003					
9/6/2023				<0.015	<0.015		
9/7/2023			<0.015			0.0017 (J)	<0.015

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.003	<0.015				
3/1/2016					<0.003	<0.003
3/2/2016			<0.015	<0.015		
5/2/2016	<0.003	<0.015				<0.003
5/3/2016					<0.003	
5/5/2016			<0.015	<0.015		
7/5/2016	<0.003	<0.015			<0.003	<0.003
7/7/2016			<0.015	<0.015		
9/6/2016	<0.003	<0.015			<0.003	<0.003
9/7/2016			<0.015	<0.015		
11/7/2016	<0.003	<0.015			<0.003	<0.003
11/10/2016			<0.015	<0.015		
1/9/2017	<0.003	<0.015			<0.003	<0.003
1/12/2017			<0.015	<0.015		
3/13/2017	<0.003	0.0022 (J)			<0.003	<0.003
3/14/2017			<0.015			
3/15/2017				<0.015		
5/15/2017	<0.003	<0.015			<0.003	<0.003
5/18/2017			<0.015	<0.015		
3/12/2018	<0.003	<0.015			<0.003	<0.003
3/14/2018			<0.015	<0.015		
6/5/2018	0.00088 (J)	<0.015				
6/6/2018					<0.003	<0.003
6/11/2018			<0.015	<0.015		
10/16/2018	<0.003	<0.015				
10/17/2018					<0.003	<0.003
10/18/2018			<0.015	<0.015		
2/27/2019	<0.003	<0.015			<0.003	<0.003
3/1/2019			<0.015	<0.015		
5/31/2019	<0.003	<0.015			<0.003	<0.003
6/3/2019			<0.015	<0.015		
11/6/2019	<0.003	<0.015			<0.003	<0.003
11/7/2019			<0.015	<0.015		
4/16/2020	<0.003	<0.015			<0.003	<0.003
4/17/2020			<0.015	<0.015		
10/7/2020	<0.003	<0.015			<0.003	<0.003
10/9/2020			<0.015	<0.015		
3/29/2021	<0.003	<0.015			<0.003	<0.003
3/31/2021			<0.015	<0.015		
9/2/2021	<0.003	<0.015			<0.003	<0.003
9/3/2021			<0.015	<0.015		
3/22/2022	<0.003	<0.015			0.0011 (J)	0.00031 (J)
3/23/2022			0.0009 (J)	<0.015		
9/7/2022	<0.003					
9/8/2022		<0.015	<0.015		<0.003	<0.003
9/9/2022				<0.015		
4/6/2023	<0.003	<0.015				<0.003
4/7/2023					<0.003	
4/10/2023			<0.015	<0.015		
9/1/2023	<0.003	0.00013 (J)			<0.003	<0.003
9/6/2023			<0.015	<0.015		

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0013	<0.0013					
3/1/2016			<0.0013	0.0028 (J)	0.0054 (J)	<0.0013	<0.0013
5/2/2016	<0.0013						
5/4/2016		<0.0013					<0.0013
5/5/2016			0.00029 (J)	0.0026	0.0038	0.0003 (J)	
7/5/2016	<0.0013						
7/7/2016			<0.0013 (*)	0.0025	0.0043	<0.0013	
7/8/2016		<0.0013					<0.0013
9/6/2016	0.00049 (J)	<0.0013	<0.0013				
9/7/2016				0.0031	0.0099	0.00026 (J)	<0.0013
11/7/2016	<0.0013						
11/9/2016					0.012	0.00038 (J)	<0.0013
11/10/2016		<0.0013	<0.0013	0.0028			
1/9/2017	<0.0013						
1/11/2017		0.00049 (J)			0.022	<0.0013	<0.0013
1/12/2017			<0.0013	0.0028			
3/13/2017	0.0023						
3/14/2017		<0.0013			0.011	<0.0013	<0.0013
3/15/2017			<0.0013	0.0027			
5/15/2017	<0.0013						
5/18/2017		<0.0013	<0.0013	0.0036	0.018	<0.0013	<0.0013
3/12/2018	0.00046 (J)						
3/14/2018		0.00067 (J)	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.0013
6/5/2018	0.00049 (J)						
6/10/2018		0.00028 (J)			0.015	0.00043 (J)	<0.0013
6/11/2018			0.00028 (J)	0.003			
10/16/2018	<0.0013						
10/18/2018		<0.0013		0.0016	0.0049	<0.0013	<0.0013
10/19/2018			<0.0013				
2/27/2019	<0.0013	<0.0013					
3/1/2019					0.0026	<0.0013	<0.0013
3/2/2019			<0.0013	<0.0013			
5/31/2019	<0.0013	<0.0013					
6/3/2019			<0.0013		0.0039	<0.0013	<0.0013
6/11/2019				0.0014			
11/6/2019	<0.0013	<0.0013					
11/7/2019				0.002	0.0085		
11/9/2019			<0.0013			0.00041	<0.0013
4/16/2020	<0.0013	<0.0013					
4/17/2020				0.0022			<0.0013
4/18/2020			0.00019 (J)		0.0084	0.0004	
10/7/2020	<0.0013	<0.0013					
10/8/2020			<0.0013	0.0014	0.0045	<0.0013	<0.0013
3/29/2021	<0.0013	<0.0013					
3/30/2021			<0.0013	0.0019		<0.0013	<0.0013
3/31/2021					0.011		
9/2/2021	<0.0013	<0.0013					
9/3/2021					0.0054	<0.0013	<0.0013
9/7/2021			<0.0013	0.0014			
3/22/2022	<0.0013	<0.0013					
3/23/2022			0.00025		0.0067	0.00023 (J)	<0.0013
3/24/2022				0.0014			

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0013	<0.0013					
9/8/2022							0.0016
9/9/2022			0.0044	0.0012 (J)	0.02	0.0014	
4/6/2023	0.00084 (J)	<0.0013					
4/7/2023					0.016	0.001 (J)	<0.0013
4/10/2023			0.0011 (J)	0.00086 (J)			
9/1/2023	0.00022 (J)	<0.0013					
9/6/2023				0.0036	0.0075		
9/7/2023			0.0016			<0.0013	0.0012 (J)

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013				
3/1/2016					<0.0013	<0.0013
3/2/2016			<0.0013	0.0025 (J)		
5/2/2016	<0.0013	0.00025 (J)				<0.0013
5/3/2016					<0.0013	
5/5/2016			<0.0013	0.0033		
7/5/2016	<0.0013	<0.0013			<0.0013	<0.0013
7/7/2016			<0.0013	0.0031		
9/6/2016	<0.0013	0.00027 (J)			<0.0013	<0.0013
9/7/2016			<0.0013	0.0034		
11/7/2016	<0.0013	<0.0013			<0.0013	<0.0013
11/10/2016			<0.0013	0.0038		
1/9/2017	<0.0013	<0.0013			<0.0013	<0.0013
1/12/2017			<0.0013	0.0034		
3/13/2017	<0.0013	0.0025			<0.0013	<0.0013
3/14/2017			<0.0013			
3/15/2017				0.0032		
5/15/2017	<0.0013	<0.0013			<0.0013	<0.0013
5/18/2017			<0.0013	0.0034		
3/12/2018	0.00064 (J)	0.00047 (J)			0.00026 (J)	<0.0013
3/14/2018			<0.0013	0.0038		
6/5/2018	0.00098 (J)	0.00065 (J)				
6/6/2018					0.00025 (J)	0.00026 (J)
6/11/2018			<0.0013	0.0037		
10/16/2018	<0.0013	<0.0013				
10/17/2018					<0.0013	<0.0013
10/18/2018			<0.0013	0.0033		
2/27/2019	<0.0013	<0.0013			<0.0013	<0.0013
3/1/2019			<0.0013	0.0033		
5/31/2019	<0.0013	<0.0013			<0.0013	<0.0013
6/3/2019			<0.0013	0.0035		
11/6/2019	<0.0013	0.00034			<0.0013	<0.0013
11/7/2019			0.00024 (J)	0.0034		
4/16/2020	<0.0013	0.0004			<0.0013	<0.0013
4/17/2020			0.0002 (J)	0.0039		
10/7/2020	<0.0013	<0.0013			<0.0013	<0.0013
10/9/2020			<0.0013	0.0031		
3/29/2021	<0.0013	<0.0013			<0.0013	<0.0013
3/31/2021			<0.0013	0.0046		
9/2/2021	<0.0013	<0.0013			<0.0013	<0.0013
9/3/2021			<0.0013	0.0035		
3/22/2022	<0.0013	0.00051			<0.0013	<0.0013
3/23/2022			0.00035	0.0034		
9/7/2022	<0.0013					
9/8/2022		<0.0013	0.002		<0.0013	0.0034
9/9/2022				0.0045		
4/6/2023	<0.0013	0.001 (J)				0.00087 (J)
4/7/2023					0.0015	
4/10/2023			0.0015	0.0027		
9/1/2023	<0.0013	0.00039			<0.0013	0.00022 (J)
9/6/2023			<0.0013	0.0067		

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<5	<5					
3/1/2016			<5	26	380	17	<5
5/2/2016	15 (o)						
5/4/2016		<5					<5
5/5/2016			<5	31	280	11	
7/5/2016	<5						
7/7/2016			<5	31	330	33	
7/8/2016		<5					<5
9/6/2016	<5	<5	<5				
9/7/2016				41	550	18	<5
11/7/2016	<5						
11/9/2016					700	52	<5
11/10/2016		<5	<5	39			
1/9/2017	<5						
1/11/2017		<5			670	31	<5
1/12/2017			<5	35			
3/13/2017	2.5 (J)						
3/14/2017		<5			670	20	<5
3/15/2017			<5 (*)	43			
5/15/2017	<5						
5/18/2017		<5 (X)	<5 (X)	35	790	35	<5 (X)
10/2/2017	<5						
10/5/2017		<5			500	7.7	<5
10/6/2017			<5	39			
12/19/2017				36 (R)	400 (R)	51 (R)	
3/12/2018	<5						
3/14/2018		<5	<5	38	540	22	<5
6/5/2018	<5						
6/10/2018		1.5 (J)			760	96	1.4 (J)
6/11/2018			1.7 (J)	34			
10/16/2018	<5						
10/18/2018		<5		31	460	6.6	<5
10/19/2018			3.4 (J)				
2/27/2019	<5	1.9 (J)					
3/1/2019					240	9.6	<5
3/2/2019			<5	35			
5/31/2019	<5	<5					
6/3/2019			3.5 (J)		480	58	<5
6/11/2019				32			
11/6/2019	<5	<5					
11/7/2019				27	610		
11/9/2019			<5			120	<5
4/16/2020	<5	<5					
4/17/2020				31			<5
4/18/2020			<5		670	32	
10/7/2020	<5	<5					
10/8/2020			<5	30	590	9.3	<5
3/29/2021	<5	<5					
3/30/2021			<5	32		7.6	<5
3/31/2021					670		
9/2/2021	<5	<5					
9/3/2021					480	9.3	<5

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			<5	22			
3/22/2022	<5	<5					
3/23/2022			1.8 (J)		560	24	<5
3/24/2022				28			
9/7/2022	1.7 (J)	1.5 (J)					
9/8/2022							<5
9/9/2022			27	20	870	17	
4/6/2023	<5	<5					
4/7/2023					780	110	<5
4/10/2023			<5	34			
9/1/2023	<5	<5					
9/6/2023				20	350		
9/7/2023			12			43	<5

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	1.6 (J)				
3/1/2016					<5	<5
3/2/2016			13	150		
5/2/2016	<5	2.1 (J)				<5
5/3/2016					<5	
5/5/2016			15	200		
7/5/2016	<5	2 (J)			<5	<5
7/7/2016			14	200		
9/6/2016	<5	1.8 (J)			<5	3.7 (J)
9/7/2016			15	200		
11/7/2016	<5	1.7 (J)			<5	<5
11/10/2016			13	130		
1/9/2017	2.6 (J)	1.5 (J)			<5	<5
1/12/2017			12	240		
3/13/2017	<5	2.2 (J)			<5	<5
3/14/2017			10 (V)			
3/15/2017				300		
5/15/2017	<5	1.9 (J)			<5	<5
5/18/2017			8.7	270		
10/2/2017	<5	3.4 (J)			1.5 (J)	1.7 (J)
10/5/2017			9.8			
10/6/2017				140		
12/19/2017			8.4 (R)	280 (R)		
3/12/2018	<5	2.6 (J)			<5	<5
3/14/2018			9.7	270		
6/5/2018	<5	2.6 (J)				
6/6/2018					<5	<5
6/11/2018			10	270		
10/16/2018	<5	2.8 (J)				
10/17/2018					<5	<5
10/18/2018			8.1	280		
2/27/2019	<5	2.4 (J)			<5	<5
3/1/2019			7.4	250		
5/31/2019	<5	3.3 (J)			<5	<5
6/3/2019			21	150		
11/6/2019	<5	3.7 (J)			<5	<5
11/7/2019			16	290		
4/16/2020	<5	1.7 (J)			<5	<5
4/17/2020			12	280		
10/7/2020	<5	4 (J)			<5	<5
10/9/2020			25	280		
3/29/2021	<5	2.3			<5	<5
3/31/2021			15	250		
9/2/2021	<5	4.7 (J)			<5	<5
9/3/2021			32	160		
3/22/2022	<5	4.5 (J)			<5	<5
3/23/2022			28	270		
9/7/2022	1.4 (J)					
9/8/2022		5.5	34		<5	<5
9/9/2022				270		
4/6/2023	<5	4.8 (J)				<5
4/7/2023					<5	

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			15	180		
9/1/2023	<5	3.8 (J)			<5	<5
9/6/2023			31	260		

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0001	<0.0001					
3/1/2016			<0.0005	<0.0005	0.00043 (J)	<0.0005	<0.0005
5/2/2016	<0.0001						
5/4/2016		<0.0001					<0.0005
5/5/2016			<0.0005	<0.0005	0.0003 (J)	<0.0005	
7/5/2016	<0.0001						
7/7/2016			<0.0005	<0.0005	0.00028 (J)	<0.0005	
7/8/2016		<0.0001					<0.0005
9/6/2016	<0.0001	<0.0001	<0.0005				
9/7/2016				<0.0005	0.00028 (J)	<0.0005	<0.0005
11/7/2016	<0.0001						
11/9/2016					0.0003 (J)	<0.0005	<0.0005
11/10/2016		<0.0001	<0.0005	<0.0005			
1/9/2017	<0.0001						
1/11/2017		<0.0001			0.00032 (J)	<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005			
3/13/2017	<0.0001						
3/14/2017		<0.0001			0.00032 (J)	<0.0005	<0.0005
3/15/2017			<0.0005	<0.0005			
5/15/2017	<0.0001						
5/18/2017		<0.0001	<0.0005	<0.0005	0.0004 (J)	<0.0005	<0.0005
3/12/2018	<0.0001						
3/14/2018		<0.0001	<0.0005	<0.0005	0.00021 (J)	<0.0005	<0.0005
6/5/2018	<0.0001						
6/10/2018		<0.0001			0.00033 (J)	<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005			
10/16/2018	<0.0001						
10/18/2018		<0.0001		<0.0005	0.00021 (J)	<0.0005	<0.0005
10/19/2018			<0.0005				
2/27/2019	<0.0001	<0.0001					
3/1/2019					0.00013 (J)	<0.0005	<0.0005
3/2/2019			<0.0005	<0.0005			
5/31/2019	<0.0001	<0.0001					
6/3/2019			<0.0005		0.00016 (J)	<0.0005	<0.0005
6/11/2019				<0.0005			
11/6/2019	<0.0001	<0.0001					
11/7/2019				2.6E-05 (J)	0.00025		
11/9/2019			0.00021 (J)			0.00024 (J)	<0.0005
4/16/2020	<0.0001	<0.0001					
4/17/2020				<0.0005			<0.0005
4/18/2020			<0.0005		0.00033	<0.0005	
10/7/2020	<0.0001	<0.0001					
10/8/2020			<0.0005	0.00015 (J)	0.00034 (J)	<0.0005	<0.0005
3/29/2021	<0.0001	<0.0001					
3/30/2021			<0.0005	<0.0005		<0.0005	<0.0005
3/31/2021					0.00031		
9/2/2021	0.00015 (J)	<0.0001					
9/3/2021					0.00037 (J)	0.00012 (J)	<0.0005
9/7/2021			<0.0005	<0.0005			
3/22/2022	<0.0001	<0.0001					
3/23/2022			<0.0005		<0.0005	<0.0005	<0.0005
3/24/2022				<0.0005			

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2022	<0.0001	<0.0001					
9/8/2022							<0.0005
9/9/2022			<0.0005	<0.0005	0.00051	<0.0005	
4/6/2023	<0.0001	<0.0001					
4/7/2023					<0.0005	<0.0005	<0.0005
4/10/2023			<0.0005	<0.0005			
9/1/2023	<0.0001	<0.0001					
9/6/2023				<0.0005	<0.0005		
9/7/2023			<0.0005			<0.0005	<0.0005

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0001	<0.0001				
3/1/2016					<0.0001	<0.0001
3/2/2016			<0.0005	0.00018 (J)		
5/2/2016	<0.0001	<0.0001				<0.0001
5/3/2016					<0.0001	
5/5/2016			<0.0005	0.00024 (J)		
7/5/2016	<0.0001	<0.0001			<0.0001	<0.0001
7/7/2016			<0.0005	0.00025 (J)		
9/6/2016	<0.0001	<0.0001			<0.0001	<0.0001
9/7/2016			<0.0005	0.00023 (J)		
11/7/2016	<0.0001	<0.0001			<0.0001	<0.0001
11/10/2016			<0.0005	0.0002 (J)		
1/9/2017	<0.0001	<0.0001			<0.0001	<0.0001
1/12/2017			<0.0005	0.00026 (J)		
3/13/2017	<0.0001	<0.0001			<0.0001	<0.0001
3/14/2017			<0.0005			
3/15/2017				0.0003 (J)		
5/15/2017	<0.0001	<0.0001			<0.0001	<0.0001
5/18/2017			<0.0005	0.00028 (J)		
3/12/2018	<0.0001	<0.0001			<0.0001	<0.0001
3/14/2018			<0.0005	0.00029 (J)		
6/5/2018	<0.0001	<0.0001				
6/6/2018					<0.0001	<0.0001
6/11/2018			<0.0005	0.00029 (J)		
10/16/2018	<0.0001	<0.0001				
10/17/2018					<0.0001	<0.0001
10/18/2018			<0.0005	0.00031 (J)		
2/27/2019	<0.0001	<0.0001			<0.0001	<0.0001
3/1/2019			<0.0005	0.0003 (J)		
5/31/2019	<0.0001	<0.0001			<0.0001	<0.0001
6/3/2019			<0.0005	0.0002 (J)		
11/6/2019	<0.0001	<0.0001			<0.0001	<0.0001
11/7/2019			<0.0005	0.00024 (J)		
4/16/2020	<0.0001	<0.0001			<0.0001	<0.0001
4/17/2020			<0.0005	0.00031		
10/7/2020	<0.0001	<0.0001			<0.0001	<0.0001
10/9/2020			0.00012 (J)	0.00037 (J)		
3/29/2021	<0.0001	<0.0001 (D)			<0.0001	<0.0001
3/31/2021			<0.0005	0.00028		
9/2/2021	<0.0001	<0.0001			<0.0001	<0.0001
9/3/2021			<0.0005	0.00022 (J)		
3/22/2022	<0.0001	<0.0001			<0.0001	<0.0001
3/23/2022			<0.0005	<0.0005		
9/7/2022	<0.0001					
9/8/2022		<0.0001	<0.0005		<0.0001	<0.0001
9/9/2022				<0.0005		
4/6/2023	<0.0001	<0.0001				<0.0001
4/7/2023					<0.0001	
4/10/2023			<0.0005	<0.0005		
9/1/2023	<0.0001	<0.0001			<0.0001	<0.0001
9/6/2023			<0.0005	<0.0005		

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	20	20					
3/1/2016			<5	84	760	290	<5
5/2/2016	<5						
5/4/2016		6					12
5/5/2016			<5	76	620	250	
7/5/2016	12						
7/7/2016			24	54	640	270	
7/8/2016		6					10
9/6/2016	36	36	40				
9/7/2016				82	1100	270	10
11/7/2016	18						
11/9/2016					1300	330	26
11/10/2016		16	20	80			
1/9/2017	4 (J)						
1/11/2017		38			1600	330	28
1/12/2017			54	110			
3/13/2017	6						
3/14/2017		<5			1200	260	<5
3/15/2017			14	82			
5/15/2017	<5						
5/18/2017		10	38	100	1500	360	26
10/2/2017	<5						
10/5/2017		<5			980	240	<5
10/6/2017			22	110			
12/19/2017				72 (R)	900 (R)	460 (R)	
3/12/2018	18						
3/14/2018		8	14	66	1100	300	<5
6/5/2018	10						
6/10/2018		8			1500	560	6
6/11/2018			8	96			
10/16/2018	32						
10/18/2018		28		64	860	250	68
10/19/2018			54				
2/27/2019	110	68					
3/1/2019					440	210	28
3/2/2019			28	210			
5/31/2019	46	<5					
6/3/2019			54		950	500	28
6/11/2019				110			
11/6/2019	<5	10					
11/7/2019				50	980		
11/9/2019			24			720	42
4/16/2020	28	44					
4/17/2020				70			48
4/18/2020			54		1100	180	
10/7/2020	30	24					
10/8/2020			32	120	500	260	100
3/29/2021	38	26					
3/30/2021			32	170		340	12
3/31/2021					1100		
9/2/2021	40	8					
9/3/2021					1000	210	<5

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
9/7/2021			10	62			
3/22/2022	58	14					
3/23/2022			36		1300	230	30
3/24/2022				90			
9/7/2022	36	14					
9/8/2022							18
9/9/2022			62	48	1400	200	
4/6/2023	34	24					
4/7/2023					1100	320	26
4/10/2023			14	100			
9/1/2023	36	18					
9/6/2023				62	1000		
9/7/2023			26			270	6

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	12				
3/1/2016					10	<5
3/2/2016			30	440		
5/2/2016	<5	6				36
5/3/2016					<5	
5/5/2016			38	480		
7/5/2016	14	<5			<5	<5
7/7/2016			22	470		
9/6/2016	30	38			36	44
9/7/2016			38	440		
11/7/2016	8	<5			<5	30
11/10/2016			38	260		
1/9/2017	<5	14			<5	12
1/12/2017			40	630		
3/13/2017	<5	8			22	20
3/14/2017			22			
3/15/2017				620		
5/15/2017	<5	<5			6	4 (J)
5/18/2017			24	640		
10/2/2017	<5	6			16	24
10/5/2017			<5			
10/6/2017				360		
12/19/2017				840 (R)		
3/12/2018	14	<5			<5	<5
3/14/2018			12	660		
6/5/2018	<5	14				
6/6/2018					20	16
6/11/2018			26	670		
10/16/2018	12	6				
10/17/2018					44	44
10/18/2018			34	750		
2/27/2019	54	110			20	28
3/1/2019			42	640		
5/31/2019	8	26			32	18
6/3/2019			54	420		
11/6/2019	4 (J)	<5			24	20
11/7/2019			24	540		
4/16/2020	18	8			6	8
4/17/2020			28	600		
10/7/2020	20	26			16	12
10/9/2020			86	660		
3/29/2021	12	28			42	40
3/31/2021			66	620		
9/2/2021	10	8			10	<5
9/3/2021			170	580		
3/22/2022	18	46			84	22
3/23/2022			90	630		
9/7/2022	22					
9/8/2022		44	80		24	48
9/9/2022				560		
4/6/2023	22	14				16
4/7/2023					24	

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

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 5:02 PM View: 100 Series

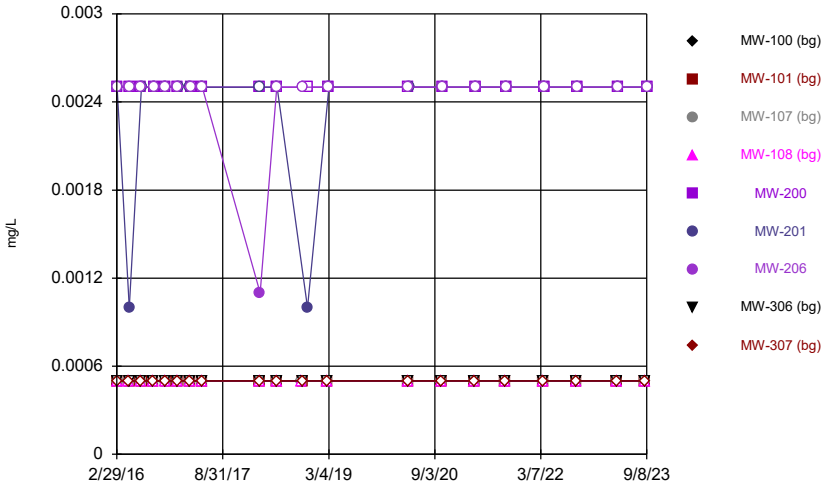
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
4/10/2023			82	540		
9/1/2023	16	32			16	22
9/6/2023			110	600		

200 Series

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

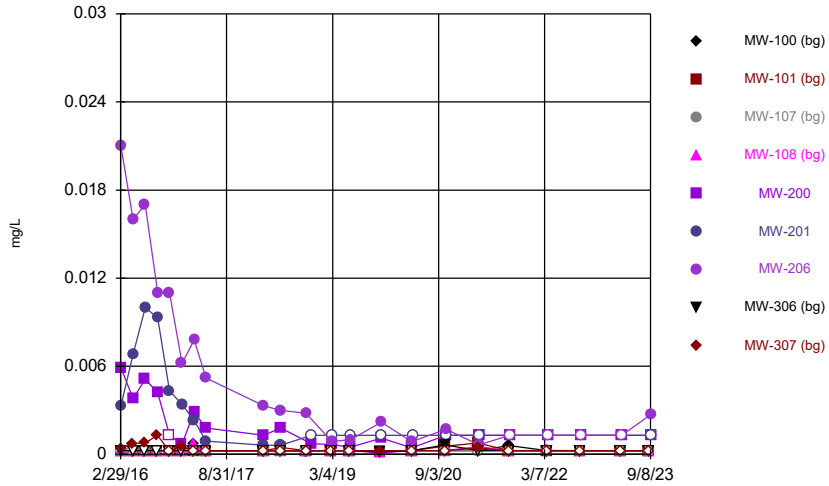
Time Series



Constituent: Antimony Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

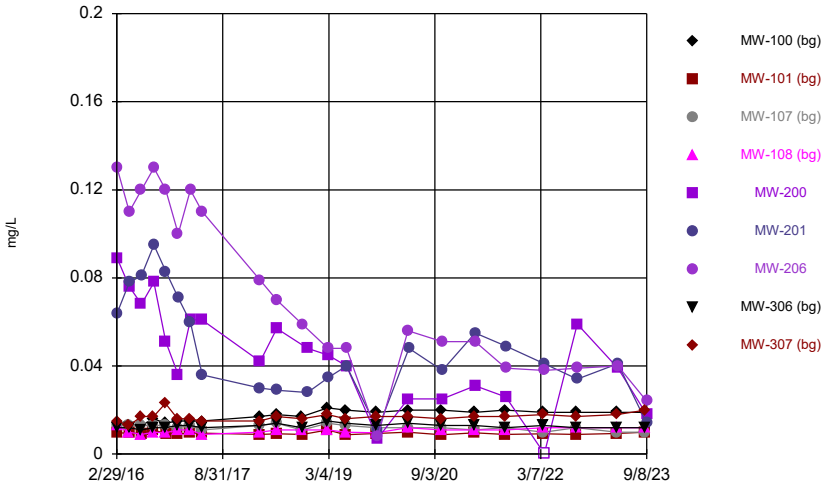
Time Series



Constituent: Arsenic Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

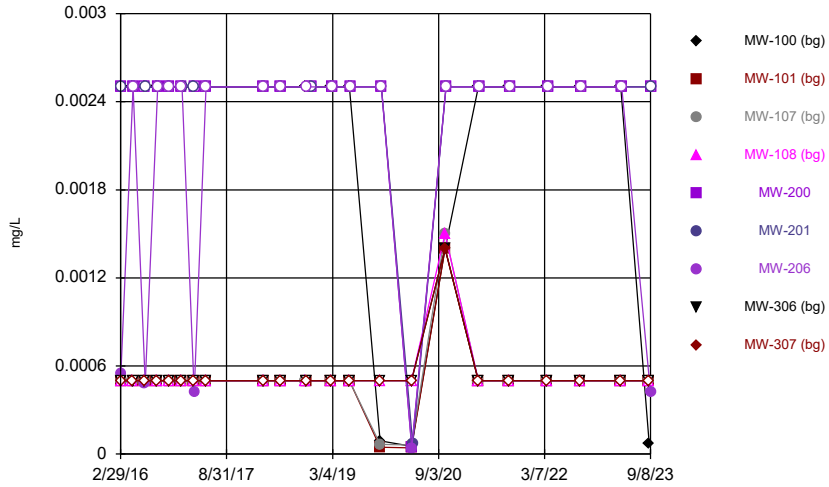
Time Series



Constituent: Barium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

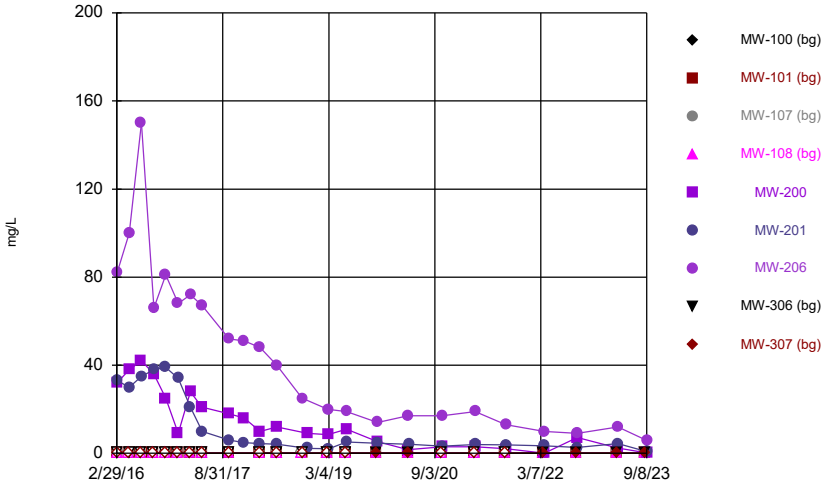
Time Series



Constituent: Beryllium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

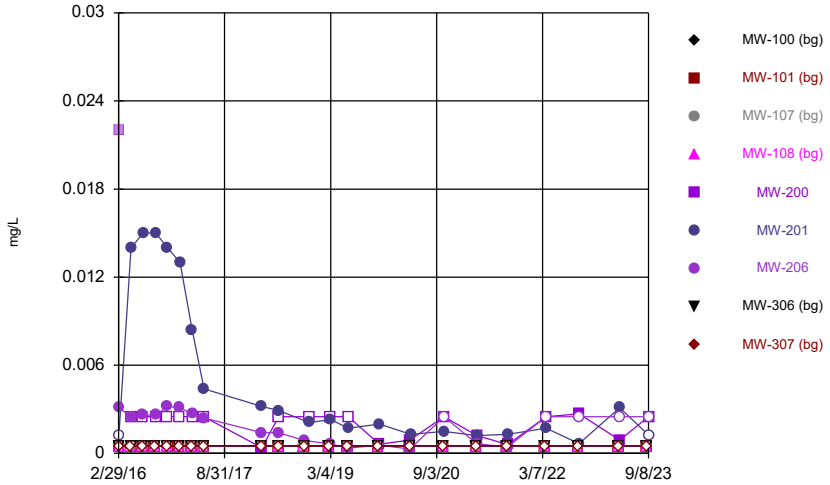
Time Series



Constituent: Boron Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

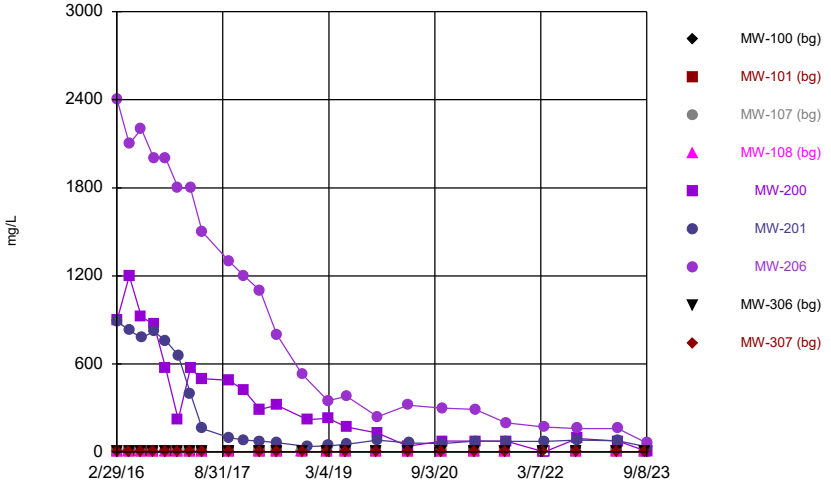
Time Series



Constituent: Cadmium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

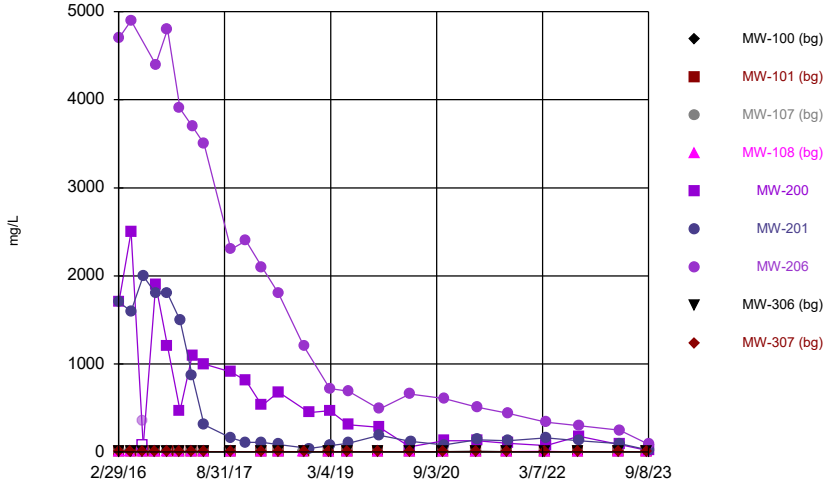
Time Series



Constituent: Calcium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

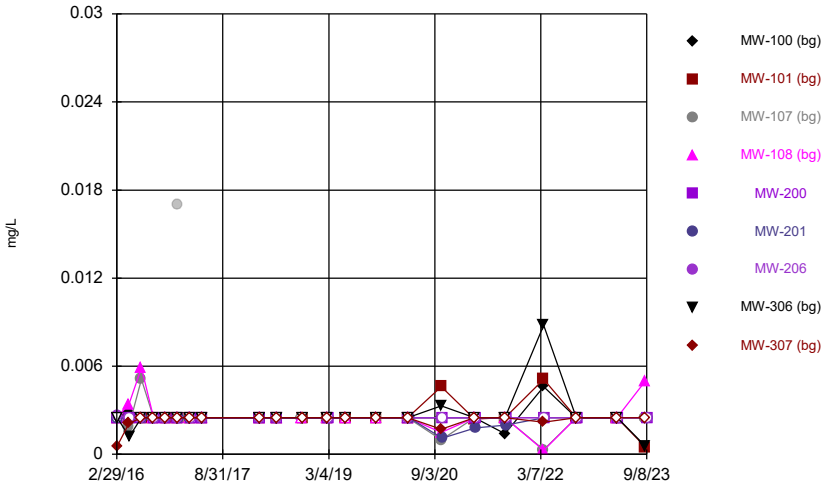
Time Series



Constituent: Chloride Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

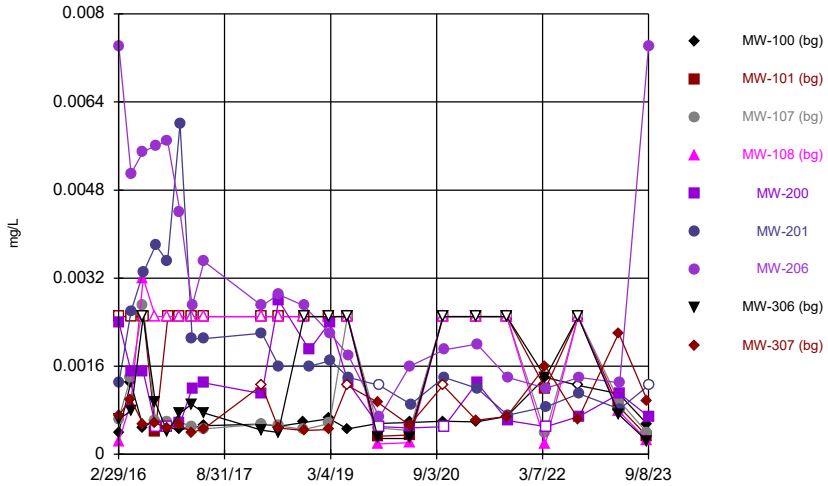
Time Series



Constituent: Chromium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

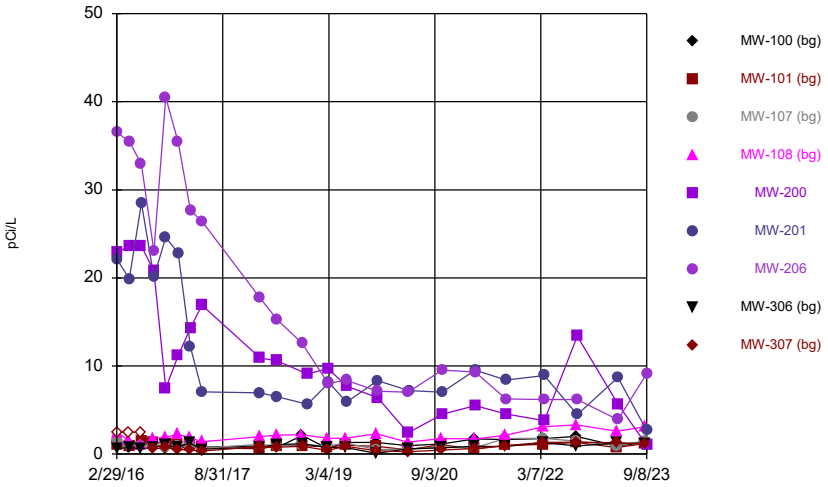
Time Series



Constituent: Cobalt Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

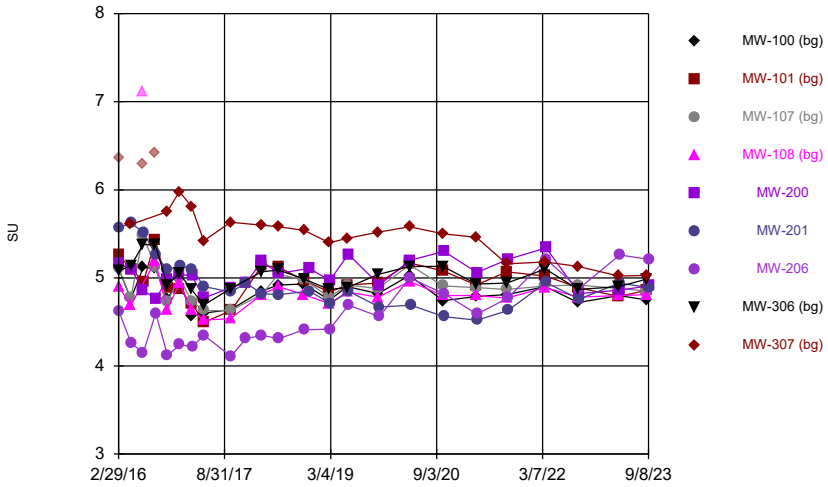
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

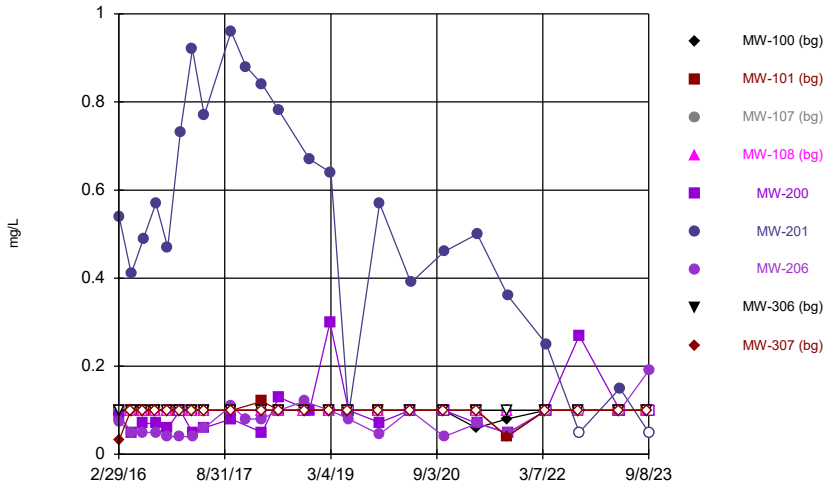
Time Series



Constituent: Field pH Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

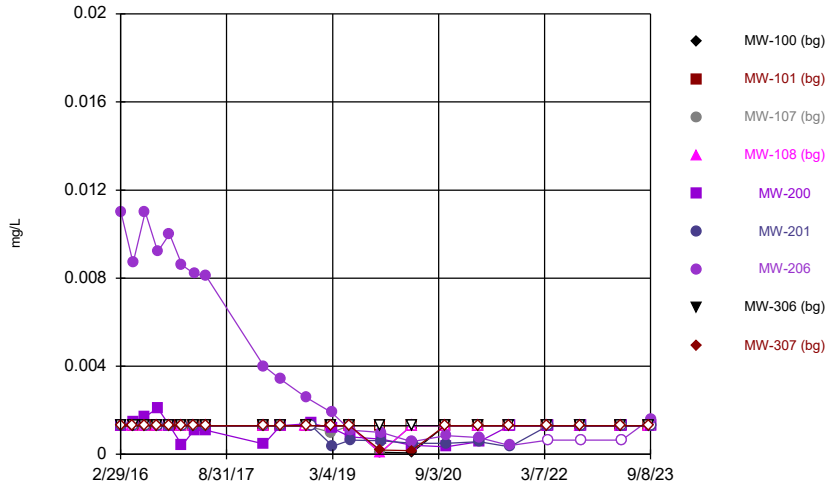
Time Series



Constituent: Fluoride Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

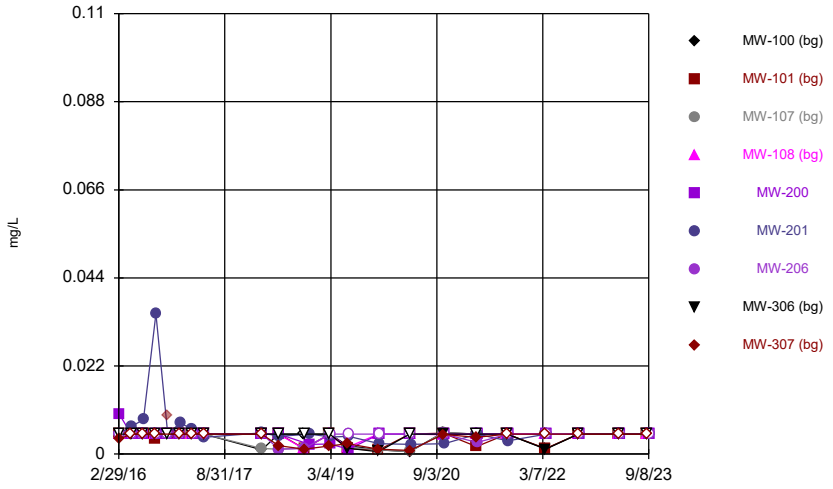
Time Series



Constituent: Lead Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

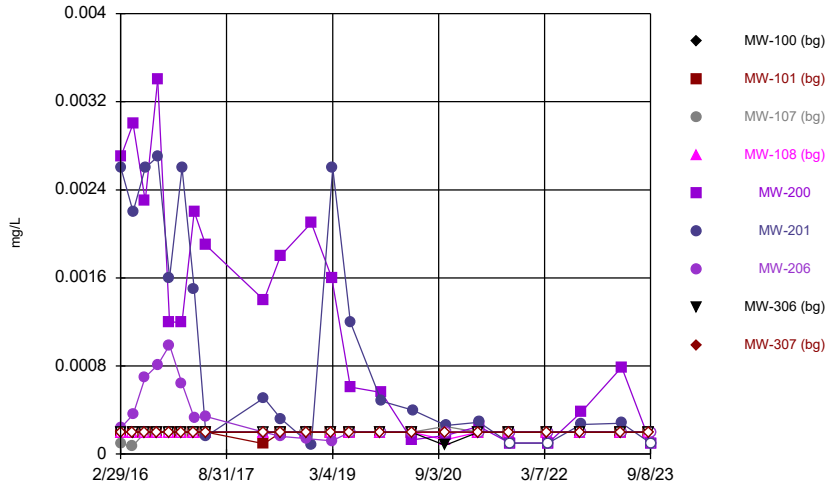
Time Series



Constituent: Lithium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

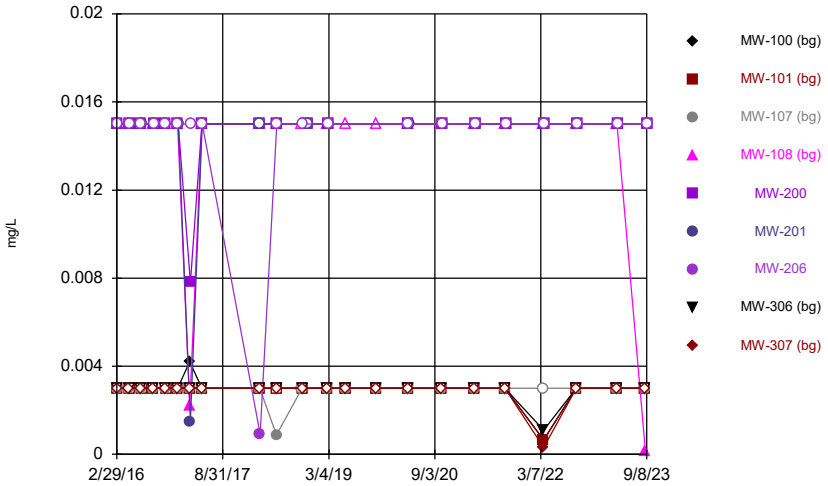
Time Series



Constituent: Mercury Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

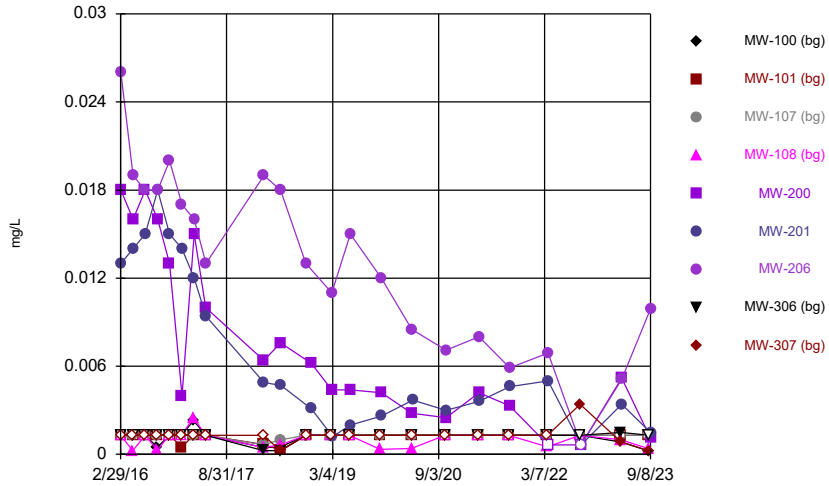
Time Series



Constituent: Molybdenum Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

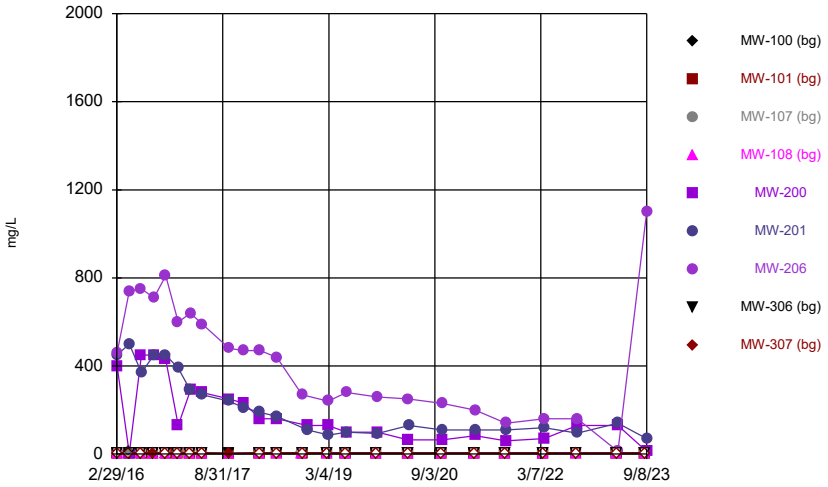
Time Series



Constituent: Selenium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

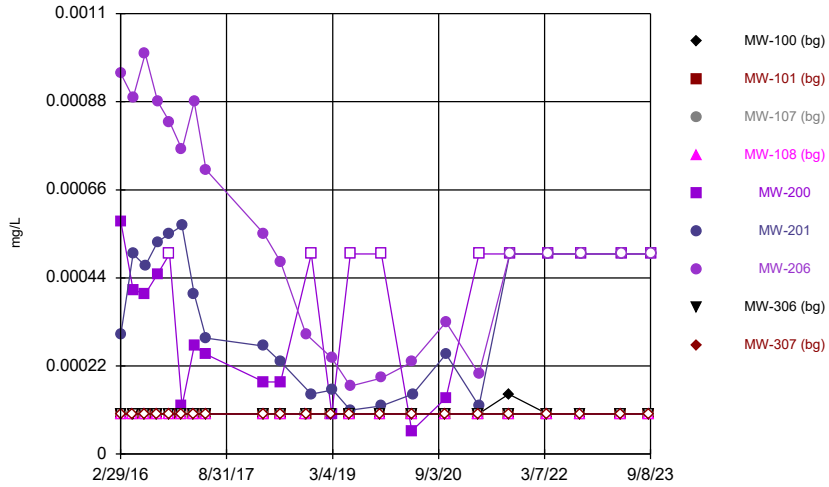
Time Series



Constituent: Sulfate Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

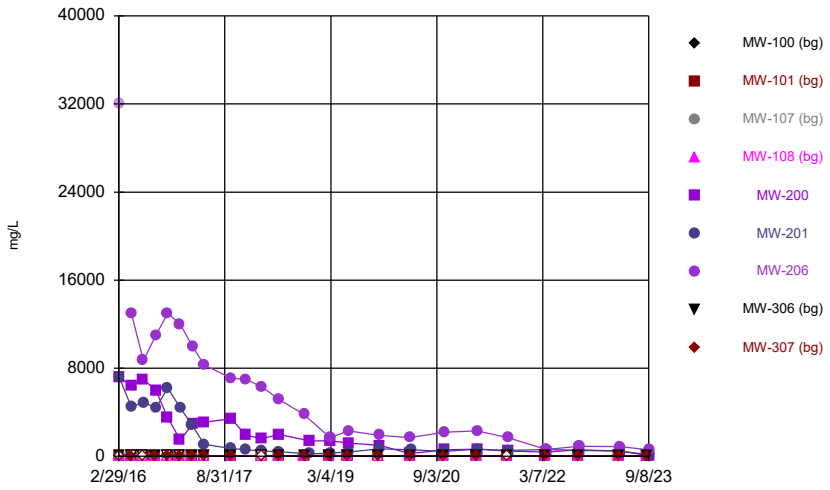
Time Series



Constituent: Thallium Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/30/2023 2:42 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016								<0.0005	<0.0005
3/2/2016					<0.0025	<0.0025	<0.0025		
5/2/2016	<0.0005		<0.0005	<0.0005					<0.0005
5/3/2016					<0.0025		<0.0025	<0.0005	
5/4/2016		<0.0005				0.001 (J)			
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0025		<0.0025	<0.0005	<0.0005
7/6/2016						<0.0025			
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
1/11/2017		<0.0005							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/14/2017		<0.0005							
3/16/2017						<0.0025			
3/17/2017					<0.0025		<0.0025		
5/15/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/13/2018					<0.0025				
3/14/2018		<0.0005				<0.0025	0.0011 (J)		
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018								<0.0005	<0.0005
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018							<0.0025	<0.0005	<0.0005
10/18/2018		<0.0005							
11/13/2018					<0.0025				
11/14/2018						0.001 (J)			
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/18/2020					<0.0025		<0.0025		
4/22/2020						<0.0025			
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
10/12/2020					<0.0025	<0.0025	<0.0025		
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/1/2021					<0.0025	<0.0025	<0.0025		
9/2/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2021					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0005	<0.0005	<0.0005						
9/8/2022				<0.0005				<0.0005	<0.0005
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005					<0.0005
4/7/2023								<0.0005	
4/11/2023					<0.0025	<0.0025	<0.0025		
9/1/2023	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2023					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025					
3/1/2016								<0.00025	0.00038 (J)
3/2/2016					0.0059 (J)	0.0033 (J)	0.021		
5/2/2016	<0.00025		<0.00025	<0.00025					0.00073 (J)
5/3/2016					0.0038		0.016	<0.00025	
5/4/2016		<0.00025				0.0068			
7/5/2016	<0.00025		<0.00025	<0.00025	0.0051		0.017	<0.00025	0.00077 (J)
7/6/2016						0.01			
7/8/2016		<0.00025							
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025				<0.00025	0.0013
9/8/2016					0.0042 (J)	0.0093	0.011		
11/7/2016	<0.00025		<0.00025	<0.00025				<0.00025	<0.00025
11/8/2016						0.0043 (J)			
11/9/2016					<0.0013		0.011		
11/10/2016		<0.00025							
1/9/2017	<0.00025		<0.00025	<0.00025				<0.00025	0.00053 (J)
1/11/2017		<0.00025							
1/12/2017					0.00068 (J)		0.0062		
1/13/2017						0.0034			
3/13/2017	0.00069 (J)		<0.00025	0.00069 (J)				<0.00025	<0.00025
3/14/2017		<0.00025							
3/16/2017						0.0023			
3/17/2017					0.0029		0.0078		
5/15/2017	<0.00025		<0.00025	<0.00025				<0.00025	<0.00025
5/16/2017					0.0018				
5/17/2017						0.0009 (J)	0.0052		
5/18/2017		<0.00025							
3/12/2018	<0.00025		<0.00025	<0.00025				<0.00025	<0.00025
3/13/2018					0.0013				
3/14/2018		<0.00025				0.00062 (J)	0.0033		
6/5/2018	<0.00025		<0.00025	<0.00025					
6/6/2018								<0.00025	<0.00025
6/8/2018					0.0018		0.003		
6/9/2018						0.00063 (J)			
6/10/2018		0.00046 (J)							
10/16/2018	<0.00025		<0.00025	<0.00025					
10/17/2018							0.0028	<0.00025	<0.00025
10/18/2018		<0.00025							
11/13/2018					0.00072 (J)				
11/14/2018						<0.0013			
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025				<0.00025	<0.00025
2/28/2019					0.00067 (J)		0.00089 (J)		
3/5/2019						<0.0013			
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025				<0.00025	<0.00025
6/4/2019					0.00048 (J)	<0.0013	0.001 (J)		
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)				0.00014 (J)	0.00024 (J)
11/12/2019					0.0011 (J)	<0.0013	0.0022 (V)		
4/16/2020	<0.00025	<0.00025	<0.00025	<0.00025				<0.00025	<0.00025
4/18/2020					0.00044		0.00086		
4/22/2020						<0.0013			
10/7/2020	<0.00025	0.00056 (J)	<0.00025	<0.00025				0.00064 (J)	<0.00025
10/12/2020					<0.0013	<0.0013	0.0017		

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.00025	0.00078	<0.00025	0.00054				<0.00025	0.00042
4/1/2021					<0.0013	<0.0013	0.00064		
9/2/2021	0.00059 (J)	<0.00025	<0.00025	<0.00025				<0.00025	<0.00025
9/8/2021					<0.0013	<0.0013	<0.0013		
3/22/2022	<0.00025	<0.00025	<0.00025	0.00027				<0.00025	<0.00025
3/25/2022					<0.0013	<0.0013	<0.0013		
9/7/2022	<0.00025	<0.00025	<0.00025						
9/8/2022				<0.00025				<0.00025	<0.00025
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	<0.00025	<0.00025	<0.00025	<0.00025					<0.00025
4/7/2023								<0.00025	
4/11/2023					<0.0013	<0.0013	<0.0013		
9/1/2023	<0.00025	<0.00025	<0.00025	<0.00025				<0.00025	<0.00025
9/8/2023					<0.0013	<0.0013	0.0027		

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

Time Series

Constituent: Barium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016								0.012	0.015
3/2/2016					0.089	0.064	0.13		
5/2/2016	0.013		0.013	0.01					0.013
5/3/2016					0.076		0.11	0.012	
5/4/2016		0.0095				0.078			
7/5/2016	0.013		0.013	0.0089	0.068		0.12	0.011	0.017
7/6/2016						0.081			
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01				0.012	0.017
9/8/2016					0.078	0.095	0.13		
11/7/2016	0.014		0.013	0.0096				0.012	0.023
11/8/2016						0.083			
11/9/2016					0.051		0.12		
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011				0.013	0.016
1/11/2017		0.0092							
1/12/2017					0.036		0.1		
1/13/2017						0.071			
3/13/2017	0.015		0.013	0.011				0.013	0.016
3/14/2017		0.0095							
3/16/2017						0.06			
3/17/2017					0.061		0.12		
5/15/2017	0.015		0.011	0.0089				0.012	0.015
5/16/2017					0.061				
5/17/2017						0.036	0.11		
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01				0.013	0.015
3/13/2018					0.042				
3/14/2018		0.0089				0.03	0.079		
6/5/2018	0.018		0.014	0.011					
6/6/2018								0.014	0.017
6/8/2018					0.057		0.07		
6/9/2018						0.029			
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018							0.059	0.012	0.016
10/18/2018		0.0089							
11/13/2018					0.048				
11/14/2018						0.028			
2/27/2019	0.021	0.011	0.014	0.011				0.015	0.018
2/28/2019					0.045		0.048		
3/5/2019						0.035			
5/31/2019	0.02	0.0088	0.013	0.01				0.014	0.016
6/4/2019					0.04	0.04	0.048		
11/6/2019	0.019	0.0094	0.012	0.0097				0.013	0.017
11/12/2019					0.0071	0.011	0.0081		
4/16/2020	0.02	0.0099	0.012	0.012				0.014	0.017
4/18/2020					0.025		0.056		
4/22/2020						0.048			
10/7/2020	0.02	0.0088	0.012	0.011				0.013	0.016
10/12/2020					0.025	0.038	0.051		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	0.019	0.0097	0.011	0.011				0.013	0.017
4/1/2021					0.031	0.055	0.051		
9/2/2021	0.02	0.0089	0.012	0.011				0.012	0.017
9/8/2021					0.026	0.049	0.039		
3/22/2022	0.019	0.0092	0.01	0.012				0.013	0.018
3/25/2022					<0.0005	0.041	0.038		
9/7/2022	0.019	0.0089	0.012						
9/8/2022				0.012				0.012	0.017
9/13/2022					0.059	0.034	0.039		
4/6/2023	0.019	0.0093	0.01	0.012					0.018
4/7/2023								0.012	
4/11/2023					0.039	0.041	0.04		
9/1/2023	0.019	0.0099	0.01	0.012				0.012	0.02
9/8/2023					0.018	0.014	0.024		

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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0005	<0.0005	<0.0005					
3/1/2016								<0.0005	<0.0005
3/2/2016					<0.0025	<0.0025	0.00055 (J)		
5/2/2016	<0.0025		<0.0005	<0.0005					<0.0005
5/3/2016					<0.0025		<0.0025	<0.0005	
5/4/2016		<0.0005				<0.0025			
7/5/2016	<0.0025		<0.0005	<0.0005	<0.0025		0.00048 (J)	<0.0005	<0.0005
7/6/2016						<0.0025			
7/8/2016		<0.0005							
9/6/2016	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025		<0.0005	<0.0005				<0.0005	<0.0005
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0005							
1/9/2017	<0.0025		<0.0005	<0.0005				<0.0005	<0.0005
1/11/2017		<0.0005							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0025		<0.0005	<0.0005				<0.0005	<0.0005
3/14/2017		<0.0005							
3/16/2017						<0.0025			
3/17/2017					<0.0025		0.00042 (J)		
5/15/2017	<0.0025		<0.0005	<0.0005				<0.0005	<0.0005
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0005							
3/12/2018	<0.0025		<0.0005	<0.0005				<0.0005	<0.0005
3/13/2018					<0.0025				
3/14/2018		<0.0005				<0.0025	<0.0025		
6/5/2018	<0.0025		<0.0005	<0.0005					
6/6/2018								<0.0005	<0.0005
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0005							
10/16/2018	<0.0025		<0.0005	<0.0005					
10/17/2018							<0.0025	<0.0005	<0.0005
10/18/2018		<0.0005							
11/13/2018					<0.0025 (J3)				
11/14/2018						<0.0025 (J3)			
2/27/2019	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
5/31/2019	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
6/4/2019					<0.0025	<0.0025	<0.0025		
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0005				<0.0005	<0.0005
11/12/2019					<0.0025	<0.0025	<0.0025		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0005				<0.0005	<0.0005
4/18/2020					4.5E-05 (J)		4.1E-05 (J)		
4/22/2020						6.9E-05 (J)			
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)				0.0014 (J)	0.0014 (J)
10/12/2020					<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/1/2021					<0.0025	<0.0025	<0.0025		
9/2/2021	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2021					<0.0025	<0.0025	<0.0025		
3/22/2022	<0.0025	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0025	<0.0005	<0.0005						
9/8/2022				<0.0005				<0.0005	<0.0005
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0025	<0.0005	<0.0005	<0.0005					<0.0005
4/7/2023								<0.0005	
4/11/2023					<0.0025	<0.0025	<0.0025		
9/1/2023	6.9E-05 (J)	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2023					<0.0025	<0.0025	0.00042 (J)		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.018	<0.05	<0.018	<0.018					
3/1/2016								<0.05	<0.05
3/2/2016					32	33	82		
5/2/2016	<0.018		<0.018	<0.018					<0.05
5/3/2016					38		100	<0.05	
5/4/2016		<0.05				30			
7/5/2016	<0.018		<0.018	<0.018	42		150	<0.05	<0.05
7/6/2016						35			
7/8/2016		<0.05							
9/6/2016	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
9/8/2016					36	38	66		
11/7/2016	<0.018		<0.018	<0.018				<0.05	<0.05
11/8/2016						39			
11/9/2016					25		81		
11/10/2016		<0.05							
1/9/2017	<0.018		<0.018	<0.018				<0.05	<0.05
1/11/2017		<0.05							
1/12/2017					9.1		68		
1/13/2017						34			
3/13/2017	<0.018		<0.018	0.022 (J)				<0.05	<0.05
3/14/2017		<0.05							
3/16/2017						21			
3/17/2017					28		72		
5/15/2017	<0.018		<0.018	<0.018				<0.05	<0.05
5/16/2017					21				
5/17/2017						10	67		
5/18/2017		<0.05							
10/2/2017	<0.018		<0.018	0.023 (J)				<0.05	<0.05
10/3/2017							52		
10/4/2017					18	6			
10/5/2017		<0.05							
12/20/2017					16 (R)	4.9 (R)	51		
3/12/2018	<0.018		<0.018	<0.018				<0.05	<0.05
3/13/2018					10				
3/14/2018		<0.05				4.4	48		
6/5/2018	<0.018		<0.018	<0.018					
6/6/2018								<0.05	<0.05
6/8/2018					12		40		
6/9/2018						4.1			
6/10/2018		<0.05							
10/16/2018	<0.018		<0.018	<0.018					
10/17/2018							25	<0.05	<0.05
10/18/2018		0.081							
11/13/2018					9.1				
11/14/2018						2.3			
2/27/2019	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
2/28/2019					8.5		20		
3/5/2019						2.1			
5/31/2019	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
6/4/2019					11	5.2	19		
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)				0.011 (V)	0.0099 (J)
11/12/2019					5.3	4.5	14		

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

Time Series

Constituent: Boron (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	0.02	0.013	0.013	0.017				0.0075 (J)	0.0055 (J)
4/18/2020					1.6		17		
4/22/2020						4.2			
10/7/2020	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
10/12/2020					3	3.3	17		
3/29/2021	<0.018	<0.05	<0.018	<0.018				<0.05	<0.05
4/1/2021					2.9	4	19		
9/2/2021	0.021 (J)	<0.05	0.018 (J)	0.022 (J)				<0.05	<0.05
9/8/2021					2.1	3.8	13		
3/22/2022	0.013	0.012	0.013	0.017				0.009 (J)	0.0063 (J)
3/25/2022					0.0043 (J)	3.4	10		
9/7/2022	0.031 (J)	0.029 (J)	0.031 (J)						
9/8/2022				0.055				0.027 (J)	0.025 (J)
9/13/2022					7.2	2.7	9.1		
4/6/2023	0.021 (J)	0.048 (J)	0.038 (J)	0.035 (J)					0.012 (J)
4/7/2023								0.011 (J)	
4/11/2023					2.4	4.4	12		
9/1/2023	0.021	0.02	0.023	0.025				0.016	0.016
9/8/2023					0.16	0.86	5.9		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016								<0.0005	<0.0005
3/2/2016					0.022 (o)	<0.0025	0.0031 (J)		
5/2/2016	<0.0005		<0.0005	<0.0005					<0.0005
5/3/2016					<0.0025		0.0025	<0.0005	
5/4/2016		<0.0005				0.014			
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0025		0.0026	<0.0005	<0.0005
7/6/2016						0.015			
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2016					<0.0025	0.015	0.0026 (J)		
11/7/2016	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
11/8/2016						0.014			
11/9/2016					<0.0025		0.0032 (J)		
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
1/11/2017		<0.0005							
1/12/2017					<0.0025		0.0031		
1/13/2017						0.013			
3/13/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/14/2017		<0.0005							
3/16/2017						0.0084			
3/17/2017					<0.0025		0.0027		
5/15/2017	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
5/16/2017					<0.0025				
5/17/2017						0.0044	0.0024 (J)		
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005				<0.0005	<0.0005
3/13/2018					0.00039 (J)				
3/14/2018		<0.0005				0.0032	0.0014 (J)		
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018								<0.0005	<0.0005
6/8/2018					<0.0025		0.0014 (J)		
6/9/2018						0.0029			
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018							0.00088 (J)	<0.0005	<0.0005
10/18/2018		<0.0005							
11/13/2018					<0.0025				
11/14/2018						0.0021 (J)			
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
2/28/2019					<0.0025		0.00065 (J)		
3/5/2019						0.0023 (J)			
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
6/4/2019					<0.0025	0.0017 (J)	0.00035 (J)		
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
11/12/2019					0.00061 (J)	0.002 (J)	0.00055 (J)		
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/18/2020					0.00091		0.00029 (J)		
4/22/2020						0.0013			
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
10/12/2020					<0.0025	0.0015 (J)	<0.0025		

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
4/1/2021					0.0012	0.0012	0.00065		
9/2/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2021					0.0006 (J)	0.0013 (J)	0.00044 (J)		
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
3/25/2022					<0.0025	0.0017 (J)	<0.0025		
9/7/2022	<0.0005	<0.0005	<0.0005						
9/8/2022				<0.0005				<0.0005	<0.0005
9/13/2022					0.0027	0.00066 (J)	<0.0025		
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005					<0.0005
4/7/2023								<0.0005	
4/11/2023					0.0009 (J)	0.0031	<0.0025		
9/1/2023	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/8/2023					<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016								0.6	1.5
3/2/2016					900	890	2400		
5/2/2016	0.78		0.58	1.1					0.83
5/3/2016					1200		2100	0.55	
5/4/2016		0.62				830			
7/5/2016	0.65		0.43	0.94	920		2200	0.53	1.6
7/6/2016						780			
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1				0.5	1.6
9/8/2016					870	820	2000		
11/7/2016	0.8		0.56	1.2				0.68	1.5
11/8/2016						760			
11/9/2016					570		2000		
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2				0.56	0.98
1/11/2017		0.42							
1/12/2017					220		1800		
1/13/2017						660			
3/13/2017	0.78		0.48	1.3				0.62	0.75
3/14/2017		0.42							
3/16/2017						400			
3/17/2017					570		1800		
5/15/2017	0.76		0.37	1				0.58	0.83
5/16/2017					500				
5/17/2017						160	1500		
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2				0.62	0.83
10/3/2017							1300		
10/4/2017					490	100			
10/5/2017		0.39							
12/20/2017					420 (R)	82 (R)	1200		
3/12/2018	0.88		0.49	1.4				0.59	0.71
3/13/2018					290				
3/14/2018		0.49				75	1100		
6/5/2018	0.9		0.49	1.2					
6/6/2018								0.59	0.68
6/8/2018					320		800		
6/9/2018						64			
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018							530	0.54	0.66
10/18/2018		0.41							
11/13/2018					220				
11/14/2018						38			
2/27/2019	0.96	0.44	0.56	1.3				0.63	0.7
2/28/2019					230		350		
3/5/2019						43			
5/31/2019	0.76	0.28	0.33	1.1				0.45	0.52
6/4/2019					170	54	380 (D)		
11/6/2019	0.88	0.46	0.49	1.2				0.55	0.74
11/12/2019					130	82	240		

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	0.84	0.38	0.36	1.3				0.53	0.59
4/18/2020					40		320		
4/22/2020						61			
10/7/2020	0.93	0.47	0.43	1.6				0.63	0.67
10/12/2020					74	58	300		
3/29/2021	1	0.43	0.46	1.6				0.68	0.75
4/1/2021					75	75	290		
9/2/2021	1.1	0.63	0.47	1.5				0.56	0.73
9/8/2021					74	72	200		
3/22/2022	0.9	0.38	0.33	1.6				0.81	0.7
3/25/2022					<0.05	73	170		
9/7/2022	1	0.6	0.61						
9/8/2022				2.1				0.69	0.82
9/13/2022					93	82	160		
4/6/2023	0.81	0.42	0.32	2.1					0.68
4/7/2023								0.49	
4/11/2023					75	78	160		
9/1/2023	0.88	0.39	0.33	2.1				0.52	0.66
9/8/2023					5.1	35	61		

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

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016								5.6	4
3/2/2016					1700	1700	4700		
5/2/2016	4.4		6	6.3					3.6
5/3/2016					2500		4900	5.1	
5/4/2016		4.5				1600			
7/5/2016	4.2		5.2	4.8	<140 (*)		360 (o)	4.7	3.6
7/6/2016						2000			
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6				4.4	4
9/8/2016					1900	1800	4400		
11/7/2016	4.2		5.4	5.7				4.6	4.4
11/8/2016						1800			
11/9/2016					1200		4800		
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8				5.3	4.4
1/11/2017		5.3							
1/12/2017					470		3900		
1/13/2017						1500			
3/13/2017	5.2		5.5	6.8				5.6	4.1
3/14/2017		5.5							
3/16/2017						870			
3/17/2017					1100		3700		
5/15/2017	4.8		4.7	6.1				5.2	3.7
5/16/2017					1000				
5/17/2017						310	3500		
5/18/2017		5							
10/2/2017	5.5		6.1	6				5.5	4.8
10/3/2017							2300		
10/4/2017					910	160			
10/5/2017		5.6							
12/20/2017					810 (R)	110 (R)	2400		
3/12/2018	5.3		6.1	5.9				5.6	4
3/13/2018					530				
3/14/2018		5.2				110	2100		
6/5/2018	5.3		5.5	6.5					
6/6/2018								5.6	4.1
6/8/2018					680		1800		
6/9/2018						86			
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018							1200	5.5	3.7
10/18/2018		5.2							
11/13/2018					450				
11/14/2018						41			
2/27/2019	4.6	5.1	5	4.3				5.1	4
2/28/2019					470		720		
3/5/2019						75			
5/31/2019	5.1	5	5.4	4.5				5.4	3.7
6/4/2019					310	98	690		
11/6/2019	5.8	6	6.1	5.7				5.9	4.7
11/12/2019					280	190	490		

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

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	6.1	5.8	5.3	5.6				6.2	4.9
4/18/2020					59		660		
4/22/2020						120			
10/7/2020	6.6	5.9	5.7	5.1				6.1	4.7
10/12/2020					130	82	610		
3/29/2021	10	5.8	5.2	5				6.2	5.4
4/1/2021					130	140	510		
9/2/2021	5.8	5.1	5.1	5.2				5.9	5.1
9/8/2021					100	130	440		
3/22/2022	5.9	4.9	4.7	8.8				5.6	4.8
3/25/2022					76	160	340		
9/7/2022	4.4	3.4	3.6						
9/8/2022				3.4				4.3	5.3
9/13/2022					180	130	300		
4/6/2023	4.3	3.6	3.8	4.2					4.2
4/7/2023								4.1	
4/11/2023					86	96	250		
9/1/2023	5.5	3.9	4.2	4.2				4.8	4.4
9/8/2023					15	25	88		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016								<0.0025	0.00056 (J)
3/2/2016					<0.0025	<0.0025	0.0026 (J)		
5/2/2016	0.0029		0.0019 (J)	0.0034					0.0021 (J)
5/3/2016					<0.0025		<0.0025	0.0012 (J)	
5/4/2016		<0.0025				<0.0025			
7/5/2016	<0.0025		0.0051	0.0059	<0.0025		<0.0025	<0.0025	<0.0025
7/6/2016						<0.0025			
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2016					<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
11/8/2016						<0.0025			
11/9/2016					<0.0025		<0.0025		
11/10/2016		<0.0025							
1/9/2017	<0.0025		0.017 (o)	<0.0025				<0.0025	<0.0025
1/11/2017		<0.0025							
1/12/2017					<0.0025		<0.0025		
1/13/2017						<0.0025			
3/13/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/14/2017		<0.0025							
3/16/2017						<0.0025			
3/17/2017					<0.0025		<0.0025		
5/15/2017	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
5/16/2017					<0.0025				
5/17/2017						<0.0025	<0.0025		
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025				<0.0025	<0.0025
3/13/2018					<0.0025				
3/14/2018		<0.0025				<0.0025	<0.0025		
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018								<0.0025	<0.0025
6/8/2018					<0.0025		<0.0025		
6/9/2018						<0.0025			
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018								<0.0025	<0.0025
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
2/28/2019					<0.0025		<0.0025		
3/5/2019						<0.0025			
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
4/18/2020					<0.0025		<0.0025		
4/22/2020						<0.0025			
10/7/2020	<0.0025	0.0046	0.001 (J)	0.0015 (J)				0.0033	0.0017 (J)
10/12/2020					<0.0025	0.0011 (J)	<0.0025		
3/29/2021	<0.0025	0.0024	<0.0025	<0.0025				<0.0025	<0.0025
4/1/2021					<0.0025	0.0018	<0.0025		
9/2/2021	0.0014 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
9/8/2021					<0.0025	0.002 (J)	<0.0025		

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

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/22/2022	0.0046	0.0051	0.00032 (J)	0.00027 (J)				0.0088	0.0022
3/25/2022					<0.0025	<0.0025	<0.0025		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	<0.0025
9/13/2022					<0.0025	<0.0025	<0.0025		
4/6/2023	<0.0025	<0.0025	<0.0025	<0.0025					<0.0025
4/7/2023								<0.0025	
4/11/2023					<0.0025	<0.0025	<0.0025		
9/1/2023	<0.0025	0.00048 (J)	<0.0025	0.005				0.00056	<0.0025
9/8/2023					<0.0025	<0.0025	<0.0025		

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)					
3/1/2016								0.00064 (J)	0.00071 (J)
3/2/2016					0.0024 (J)	0.0013 (J)	0.0074 (J)		
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)					0.001 (J)
5/3/2016					0.0015 (J)		0.0051	0.00079 (J)	
5/4/2016		<0.0025				0.0026			
7/5/2016	0.00049 (J)		0.0027	0.0032	0.0015 (J)		0.0055	<0.0025	0.00055 (J)
7/6/2016						0.0033			
7/8/2016		<0.0025							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025				0.00094 (J)	0.00057 (J)
9/8/2016					<0.0005	0.0038 (J)	0.0056 (J)		
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025				0.00041 (J)	0.00047 (J)
11/8/2016						0.0035 (J)			
11/9/2016					<0.0005		0.0057 (J)		
11/10/2016		<0.0025							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025				0.00074 (J)	0.00054 (J)
1/11/2017		<0.0025							
1/12/2017					0.00056 (J)		0.0044		
1/13/2017						0.006			
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025				0.00091 (J)	0.0004 (J)
3/14/2017		<0.0025							
3/16/2017						0.0021 (J)			
3/17/2017					0.0012 (J)		0.0027		
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025				0.00075 (J)	0.00046 (J)
5/16/2017					0.0013 (J)				
5/17/2017						0.0021 (J)	0.0035		
5/18/2017		<0.0025							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025				0.00044 (J)	<0.0025
3/13/2018					0.0011 (J)				
3/14/2018		<0.0025				0.0022 (J)	0.0027		
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025					
6/6/2018								0.0004 (J)	0.00048 (J)
6/8/2018					0.0028		0.0029		
6/9/2018						0.0016 (J)			
6/10/2018		<0.0025							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025					
10/17/2018							0.0027	<0.0025	0.00043 (J)
10/18/2018		<0.0025							
11/13/2018					0.0019 (J)				
11/14/2018						0.0016 (J)			
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025				<0.0025	0.00045 (J)
2/28/2019					0.0024 (J)		0.0022 (J)		
3/5/2019						0.0017 (J)			
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
6/4/2019					0.0013 (J)	0.0014 (J)	0.0018 (J)		
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)				0.00029 (J)	0.00094 (J)
11/12/2019					<0.0005	<0.0025	0.00067 (J)		
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)				0.00029 (J)	0.00053
4/18/2020					0.00048 (J)		0.0016		
4/22/2020						0.00091			
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/12/2020					<0.0005	0.0014 (J)	0.0019 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	0.00059	<0.0025	<0.0025	<0.0025				<0.0025	0.00062
4/1/2021					0.0013	0.0012	0.002		
9/2/2021	0.00069 (J)	<0.0025	<0.0025	<0.0025				<0.0025	0.00069 (J)
9/8/2021					0.00061 (J)	0.00071 (J)	0.0014 (J)		
3/22/2022	0.0014	0.0012	0.00038 (J)	0.0002 (J)				0.0014	0.0016
3/25/2022					<0.0005	0.00086 (J)	0.0012 (J)		
9/7/2022	<0.0025	<0.0025	<0.0025						
9/8/2022				<0.0025				<0.0025	0.00064 (J)
9/13/2022					0.00069 (J)	0.0011 (J)	0.0014 (J)		
4/6/2023	0.0011 (J)	0.00087 (J)	0.00098 (J)	0.00078 (J)					0.0022 (J)
4/7/2023								0.00072 (J)	
4/11/2023					0.0011 (J)	0.00082 (J)	0.0013 (J)		
9/1/2023	0.00055	0.00033 (J)	0.00039 (J)	0.00026 (J)				0.00024 (J)	0.00098
9/8/2023					0.00069 (J)	<0.0025	0.0074		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016								0.647	<5
3/2/2016					22.9	22.1	36.5		
5/2/2016	0.808		1.03	1.62					<5
5/3/2016					23.6		35.5	0.748	
5/4/2016		0.848				19.9			
7/5/2016	0.947		0.961	1.01	23.6		32.9	0.591	<5
7/6/2016						28.5			
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8				0.831	0.566
9/8/2016					20.8	20.1	23		
11/7/2016	0.602		0.818	1.86				0.983	0.784
11/8/2016						24.6			
11/9/2016					7.46		40.5		
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25				0.767	0.541
1/11/2017		1.11							
1/12/2017					11.2		35.4		
1/13/2017						22.8			
3/13/2017	0.693		0.937	1.87				1.26	0.442
3/14/2017		1.01							
3/16/2017						12.2			
3/17/2017					14.3		27.7		
5/15/2017	0.786		0.685	1.4				0.553	0.345
5/16/2017					16.9				
5/17/2017						7.05	26.4		
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97				0.783	0.848
3/13/2018					10.9				
3/14/2018		0.614				6.95	17.7		
6/5/2018	0.713		0.927	2.17					
6/6/2018								1.08	0.78
6/8/2018					10.6		15.3		
6/9/2018						6.52			
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018							12.6	1.19	0.88
10/18/2018		0.944							
11/13/2018					9.09				
11/14/2018						5.66			
2/27/2019	0.651	0.827	0.912	1.8				0.741	0.431
2/28/2019					9.7		8.04		
3/5/2019						8.11			
5/31/2019	1.33	0.99	1.24	1.8				0.759	0.884
6/4/2019					7.7	5.89	8.36		
11/6/2019	1.32	0.892	0.509 (U)	2.32				0.105 (U)	0.366 (U)
11/12/2019					6.4	8.32	7.14		
4/16/2020	0.971	0.497	0.568	1.35				0.588	0.264 (U)
4/18/2020					2.42		7.03		
4/22/2020						7.2			
10/7/2020	1.14	1.07	0.763	1.75				0.709 (U)	0.46 (U)
10/12/2020					4.51	7.02	9.54		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	1.72	0.561	0.708					0.899	0.642
3/30/2021				1.71					
4/1/2021					5.51	9.55	9.3		
9/2/2021	1.65	0.975	1.75	2.13				0.856	0.951
9/8/2021					4.54	8.42	6.25		
3/22/2022	1.75	1.1	1.78	3.12				1.33	1.32
3/25/2022					3.81	8.93	6.19		
9/7/2022	2	1.32	1.46						
9/8/2022				3.32				0.936	1.36
9/13/2022					13.4	4.5	6.19		
4/6/2023	0.942	0.754	0.97	2.58					1.28
4/7/2023								1.26	
4/11/2023					5.67	8.7	3.9		
9/1/2023	1.33	1.21	1.49	3.12				1.22	1.12
9/8/2023					0.997	2.65	9.15		

Time Series

Constituent: Field pH (SU) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016								5.08	6.37 (o)
3/2/2016					5.16 (D)	5.57	4.62		
5/2/2016	4.76		4.77	4.69					5.605 (D)
5/3/2016					5.1		4.26	5.14	
5/4/2016		5.1				5.62			
7/5/2016	5.12		5.48	7.11 (o)	4.86		4.15	5.38	6.29 (o)
7/6/2016						5.52			
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19				5.37	6.42 (o)
9/8/2016					4.76	5.26	4.6		
11/7/2016	4.76		4.73	4.64				4.92	5.75
11/8/2016						5.09			
11/9/2016					4.99		4.12		
11/10/2016		4.89							
1/9/2017	4.99		5	4.94				5.05	5.98
1/11/2017		4.87							
1/12/2017					5.04		4.24		
1/13/2017						5.14			
3/13/2017	4.57		4.74	4.63				4.87	5.81
3/14/2017		4.71							
3/16/2017						5.1			
3/17/2017					5.02		4.22		
5/15/2017	4.6		4.63	4.52				4.69	5.42
5/16/2017					4.77				
5/17/2017						4.9	4.35		
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54				4.88	5.63
10/3/2017							4.11		
10/4/2017					4.89	4.84			
10/5/2017		4.63							
12/20/2017					4.94 (R)	4.94 (R)	4.31		
3/12/2018	4.85		4.81	4.81				5.07	5.6
3/13/2018					5.19				
3/14/2018		5.14				4.82	4.35		
6/5/2018	4.92		5.04	4.9					
6/6/2018								5.09	5.58
6/8/2018					5.05		4.31		
6/9/2018						4.81			
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018							4.41	4.99	5.54
10/18/2018		4.97							
11/13/2018					5.11				
11/14/2018						4.85			
2/27/2019	4.75	4.84	4.78	4.71				4.87	5.4
2/28/2019					4.97		4.42		
3/5/2019						4.71			
5/31/2019	4.9	4.92	4.92	4.84				4.89	5.45
6/4/2019					5.27	4.85	4.69		
11/6/2019	4.82	4.94	4.88	4.78				5.04	5.52
11/12/2019					4.92	4.67	4.56		

Time Series

Constituent: Field pH (SU) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	5.03	5.17	5.15	4.96				5.13	5.58
4/18/2020					5.2		5		
4/22/2020						4.69			
10/7/2020	4.74	5.08	4.91	4.8				5.13	5.5
10/12/2020					5.3	4.56	4.82		
3/29/2021	4.79	4.92	4.89	4.8				4.93	5.46
4/1/2021					5.06	4.52	4.59		
9/2/2021	4.81	5.07	4.87	4.77				4.94	5.16
9/8/2021					5.21	4.63	4.77		
3/22/2022	4.9	5.02	4.91	4.89				5.1	5.18
3/25/2022					5.34	4.95	5.21		
9/7/2022	4.72	4.89	4.92						
9/8/2022				4.78				4.87	5.13
9/13/2022					4.82	4.76	4.88		
4/6/2023	4.8	4.79	4.88	4.8					5.02
4/7/2023								4.9	
4/11/2023					4.86	4.94	5.26		
9/1/2023	4.75	4.86	4.85	4.81				4.99	5.03
9/8/2023					4.91	4.89	5.21		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016								<0.1	0.033 (J)
3/2/2016					0.088 (J)	0.54	0.074 (J)		
5/2/2016	<0.1		<0.1	<0.1					<0.1
5/3/2016					0.05 (J)		0.05 (J)	<0.1	
5/4/2016		<0.1				0.41			
7/5/2016	<0.1		<0.1	<0.1	0.07 (J)		0.05 (J)	<0.1	<0.1
7/6/2016						0.49			
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
9/8/2016					0.07 (J)	0.57	0.05 (J)		
11/7/2016	<0.1		<0.1	<0.1				<0.1	<0.1
11/8/2016						0.47			
11/9/2016					0.06 (J)		0.04 (J)		
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1				<0.1	<0.1
1/11/2017		<0.1							
1/12/2017					<0.1		0.04 (J)		
1/13/2017						0.73			
3/13/2017	<0.1		<0.1	<0.1				<0.1	<0.1
3/14/2017		<0.1							
3/16/2017						0.92			
3/17/2017					0.05 (J)		0.04 (J)		
5/15/2017	<0.1		<0.1	<0.1				<0.1	<0.1
5/16/2017					0.06 (J)				
5/17/2017						0.77	0.06 (J)		
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1				<0.1	<0.1
10/3/2017							0.11		
10/4/2017					0.08 (J)	0.96			
10/5/2017		<0.1							
12/20/2017						0.88 (R)	0.08 (I)		
3/12/2018	<0.1		<0.1	<0.1				<0.1	<0.1
3/13/2018					0.05 (J)				
3/14/2018		0.12				0.84	0.08 (J)		
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018								<0.1	<0.1
6/8/2018					0.13		0.1		
6/9/2018						0.78			
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018							0.12	<0.1	<0.1
10/18/2018		<0.1							
11/13/2018					0.1				
11/14/2018						0.67			
2/27/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
2/28/2019					0.3		0.1		
3/5/2019						0.64			
5/31/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
6/4/2019					<0.1	0.09 (J)	0.08 (J)		
11/6/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
11/12/2019					0.072 (J)	0.57	0.045 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
4/18/2020					<0.1		<0.1		
4/22/2020						0.39			
10/7/2020	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
10/12/2020					<0.1	0.46	0.04 (J)		
3/29/2021	0.06	<0.1	<0.1	<0.1				<0.1	<0.1
4/1/2021					0.07	0.5	0.07		
9/2/2021	0.08 (J)	0.04 (J)	0.1	<0.1				<0.1	0.04 (J)
9/8/2021					0.049 (J)	0.36	0.048 (J)		
3/22/2022	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
3/25/2022					<0.1	0.25	<0.1		
9/7/2022	<0.1	<0.1	<0.1						
9/8/2022				<0.1				<0.1	<0.1
9/13/2022					0.27 (J)	<0.1	<0.1		
4/6/2023	<0.1	<0.1	<0.1	<0.1					<0.1
4/7/2023								<0.1	
4/11/2023					<0.1	0.15	<0.1		
9/1/2023	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
9/8/2023					<0.1	<0.1	0.19		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016								<0.0013	<0.0013
3/2/2016					<0.0013	<0.0013	0.011		
5/2/2016	<0.0013		<0.0013	<0.0013					<0.0013
5/3/2016					0.0015		0.0087	<0.0013	
5/4/2016		<0.0013				<0.0013			
7/5/2016	<0.0013		<0.0013	<0.0013	0.0017		0.011	<0.0013	<0.0013
7/6/2016						<0.0013			
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2016					0.0021 (J)	<0.0013	0.0092		
11/7/2016	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
11/8/2016						<0.0013			
11/9/2016					<0.0013		0.01		
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017		<0.0013							
1/12/2017					0.00041 (J)		0.0086		
1/13/2017						<0.0013			
3/13/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
3/14/2017		<0.0013							
3/16/2017						<0.0013			
3/17/2017					0.0011 (J)		0.0082		
5/15/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
5/16/2017					0.0011 (J)				
5/17/2017						<0.0013	0.0081		
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
3/13/2018					0.00047 (J)				
3/14/2018		<0.0013				<0.0013	0.004		
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018								<0.0013	<0.0013
6/8/2018					0.0013		0.0034		
6/9/2018						<0.0013			
6/10/2018		<0.0013							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018							0.0026	<0.0013	<0.0013
10/18/2018		<0.0013							
11/13/2018					0.0014				
11/14/2018						<0.0013			
2/27/2019	<0.0013	<0.0013	0.001 (J)	<0.0013				<0.0013	<0.0013
2/28/2019					0.0012 (J)		0.0019		
3/5/2019						0.00037 (J)			
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
6/4/2019					0.00079 (J)	0.00065 (J)	0.0011 (J)		
11/6/2019	0.0001 (J)	<0.0013	6.6E-05 (J)	8.4E-05 (J)				<0.0013	0.0002 (J)
11/12/2019					0.00069 (J)	0.00061 (J)	0.001 (J)		
4/16/2020	6.6E-05 (J)	<0.0013	<0.0013	<0.0013				<0.0013	0.00016 (J)
4/18/2020					0.00042		0.00057		
4/22/2020						0.0005			
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
10/12/2020					0.00034 (J)	0.0005 (J)	0.00085 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
4/1/2021					0.00058	0.00057	0.00076		
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2021					<0.0013	0.00034 (J)	0.0004 (J)		
3/22/2022	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
3/25/2022					<0.0013	<0.0013	<0.0013		
9/7/2022	<0.0013	<0.0013	<0.0013						
9/8/2022				<0.0013				<0.0013	<0.0013
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	<0.0013	<0.0013	<0.0013	<0.0013					<0.0013
4/7/2023								<0.0013	
4/11/2023					<0.0013	<0.0013	<0.0013		
9/1/2023	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2023					<0.0013	<0.0013	0.0016		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.005	<0.005	<0.005	<0.005					
3/1/2016								<0.005	0.0037
3/2/2016					0.01 (J)	<0.005	<0.005		
5/2/2016	<0.005		<0.005	<0.005					<0.005
5/3/2016					<0.005		<0.005	<0.005	
5/4/2016		<0.005				0.0069			
7/5/2016	<0.005		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/6/2016						0.0086			
7/8/2016		<0.005							
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005				<0.005	<0.005
9/8/2016					<0.005	0.035	<0.005		
11/7/2016	<0.005		<0.005	<0.005				<0.005	0.0097 (o)
11/8/2016						<0.005			
11/9/2016					<0.005		<0.005		
11/10/2016		<0.005							
1/9/2017	<0.005		<0.005	<0.005				<0.005	<0.005
1/11/2017		<0.005							
1/12/2017					<0.005		<0.005		
1/13/2017						0.0078			
3/13/2017	<0.005		<0.005	<0.005				<0.005	<0.005
3/14/2017		<0.005							
3/16/2017						0.0062			
3/17/2017					<0.005		<0.005		
5/15/2017	<0.005		<0.005	<0.005				<0.005	<0.005
5/16/2017					<0.005				
5/17/2017						0.0042 (J)	<0.005		
5/18/2017		<0.005							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005				<0.005	<0.005
3/13/2018					<0.005				
3/14/2018		<0.005				0.0053	<0.005		
6/5/2018	<0.005		0.0012 (J)	<0.005					
6/6/2018								<0.005	0.0021 (J)
6/8/2018					<0.005		0.0012 (J)		
6/9/2018						0.0044 (J)			
6/10/2018		<0.005							
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)					
10/17/2018							0.0014 (J)	<0.005	0.0012 (J)
10/18/2018		0.0013 (J)							
11/13/2018					0.0024 (J)				
11/14/2018						0.005			
2/27/2019	<0.005	<0.005	<0.005	<0.005				<0.005	0.002 (J)
2/28/2019					0.0025 (J)		<0.005		
3/5/2019						0.0043 (J)			
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)				0.0015 (J)	0.0026 (J)
6/4/2019					0.0012 (J)	0.0044 (J)	<0.005		
11/6/2019	0.0011	0.001	0.0011	<0.005				0.00063 (J)	0.0012
11/12/2019					<0.005	0.0026 (J)	<0.005		
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005				<0.005	0.00091 (J)
4/18/2020					<0.005		<0.005		
4/22/2020						0.0024			
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)				0.005	0.0049 (J)
10/12/2020					<0.005	0.0026 (J)	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.005	0.0019	<0.005	<0.005				<0.005	0.0042
4/1/2021					<0.005	0.005	0.0029		
9/2/2021	<0.005	<0.005	<0.005	<0.005				<0.005	<0.005
9/8/2021					<0.005	0.0033 (J)	<0.005		
3/22/2022	0.0013	0.0014	<0.005	<0.005				0.0012	<0.005
3/25/2022					<0.005	<0.005	<0.005		
9/7/2022	<0.005	<0.005	<0.005						
9/8/2022				<0.005				<0.005	<0.005
9/13/2022					<0.005	<0.005	<0.005		
4/6/2023	<0.005	<0.005	<0.005	<0.005					<0.005
4/7/2023								<0.005	
4/11/2023					<0.005	<0.005	<0.005		
9/1/2023	<0.005	<0.005	<0.005	<0.005				<0.005	<0.005
9/8/2023					<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016								<0.0002	<0.0002
3/2/2016					0.0027	0.0026	0.00024		
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002					<0.0002
5/3/2016					0.003		0.00036	<0.0002	
5/4/2016		<0.0002				0.0022			
7/5/2016	<0.0002		<0.0002	<0.0002	0.0023		0.0007	<0.0002	<0.0002
7/6/2016						0.0026			
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002				<0.0002 (*)	<0.0002 (*)
9/8/2016					0.0034	0.0027	0.00081		
11/7/2016	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
11/8/2016						0.0016			
11/9/2016					0.0012		0.00099		
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)				<0.0002 (*)	<0.0002 (*)
1/11/2017		<0.0002							
1/12/2017					0.0012		0.00064		
1/13/2017						0.0026			
3/13/2017	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
3/14/2017		<0.0002 (*)							
3/16/2017						0.0015			
3/17/2017					0.0022		0.00033		
5/15/2017	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
5/16/2017					0.0019				
5/17/2017						0.00016 (J)	0.00034		
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002				<0.0002	<0.0002
3/13/2018					0.0014				
3/14/2018		9.3E-05 (J)				0.00051	0.0002		
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018								<0.0002	<0.0002
6/8/2018					0.0018		0.00016 (J)		
6/9/2018						0.00032			
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018							0.00014 (J)	<0.0002	<0.0002
10/18/2018		<0.0002							
11/13/2018					0.0021				
11/14/2018						8.2E-05 (J)			
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
2/28/2019					0.0016		0.00012 (J)		
3/5/2019						0.0026			
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
6/4/2019					0.00061	0.0012	<0.0002		
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
11/12/2019					0.00056	0.00048	<0.0002		
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
4/18/2020					0.00013 (J)		<0.0002		
4/22/2020						0.0004			
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)				8E-05 (J)	<0.0002
10/12/2020					0.00017 (J)	0.00026	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
4/1/2021					0.00025	0.00029	<0.0002		
9/2/2021	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
9/8/2021					<0.0002	<0.0002	<0.0002		
3/22/2022	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
3/25/2022					<0.0002	<0.0002	<0.0002		
9/7/2022	<0.0002	<0.0002	<0.0002						
9/8/2022				<0.0002				<0.0002	<0.0002
9/13/2022					0.00038	0.00027	<0.0002		
4/6/2023	<0.0002	<0.0002	<0.0002	<0.0002					<0.0002
4/7/2023								<0.0002	
4/11/2023					0.00079	0.00028	<0.0002		
9/1/2023	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
9/8/2023					<0.0002	<0.0002	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.003	<0.003	<0.003	<0.015					
3/1/2016								<0.003	<0.003
3/2/2016					<0.015	<0.015	<0.015		
5/2/2016	<0.003		<0.003	<0.015					<0.003
5/3/2016					<0.015		<0.015	<0.003	
5/4/2016		<0.003				<0.015			
7/5/2016	<0.003		<0.003	<0.015	<0.015		<0.015	<0.003	<0.003
7/6/2016						<0.015			
7/8/2016		<0.003							
9/6/2016	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
9/8/2016					<0.015	<0.015	<0.015		
11/7/2016	<0.003		<0.003	<0.015				<0.003	<0.003
11/8/2016						<0.015			
11/9/2016					<0.015		<0.015		
11/10/2016		<0.003							
1/9/2017	<0.003		<0.003	<0.015				<0.003	<0.003
1/11/2017		<0.003							
1/12/2017					<0.015		<0.015		
1/13/2017						<0.015			
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)				<0.003	<0.003
3/14/2017		<0.003							
3/16/2017						0.0015 (J)			
3/17/2017					0.0078 (J)		<0.015		
5/15/2017	<0.003		<0.003	<0.015				<0.003	<0.003
5/16/2017					<0.015				
5/17/2017						<0.015	<0.015		
5/18/2017		<0.003							
3/12/2018	<0.003		<0.003	<0.015				<0.003	<0.003
3/13/2018					<0.015				
3/14/2018		<0.003				<0.015	0.00092 (J)		
6/5/2018	<0.003		0.00088 (J)	<0.015					
6/6/2018								<0.003	<0.003
6/8/2018					<0.015		<0.015		
6/9/2018						<0.015			
6/10/2018		<0.003							
10/16/2018	<0.003		<0.003	<0.015					
10/17/2018							<0.015	<0.003	<0.003
10/18/2018		<0.003							
11/13/2018					<0.015				
11/14/2018						<0.015			
2/27/2019	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
2/28/2019					<0.015		<0.015		
3/5/2019						<0.015			
5/31/2019	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
11/6/2019	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
4/16/2020	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
4/18/2020					<0.015		<0.015		
4/22/2020						<0.015			
10/7/2020	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
10/12/2020					<0.015	<0.015	<0.015		
3/29/2021	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
4/1/2021					<0.015	<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
9/2/2021	<0.003	<0.003	<0.003	<0.015				<0.003	<0.003
9/8/2021					<0.015	<0.015	<0.015		
3/22/2022	0.00066 (J)	0.00064 (J)	<0.003	<0.015				0.0011 (J)	0.00031 (J)
3/25/2022					<0.015	<0.015	<0.015		
9/7/2022	<0.003	<0.003	<0.003						
9/8/2022				<0.015				<0.003	<0.003
9/13/2022					<0.015	<0.015	<0.015		
4/6/2023	<0.003	<0.003	<0.003	<0.015					<0.003
4/7/2023								<0.003	
4/11/2023					<0.015	<0.015	<0.015		
9/1/2023	<0.003	<0.003	<0.003	0.00013 (J)				<0.003	<0.003
9/8/2023					<0.015	<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016								<0.0013	<0.0013
3/2/2016					0.018	0.013	0.026		
5/2/2016	<0.0013		<0.0013	0.00025 (J)					<0.0013
5/3/2016					0.016		0.019	<0.0013	
5/4/2016		<0.0013				0.014			
7/5/2016	<0.0013		<0.0013	<0.0013	0.018		0.018	<0.0013	<0.0013
7/6/2016						0.015			
7/8/2016		<0.0013							
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)				<0.0013	<0.0013
9/8/2016					0.016	0.018	0.018		
11/7/2016	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
11/8/2016						0.015			
11/9/2016					0.013		0.02		
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
1/11/2017		0.00049 (J)							
1/12/2017					0.004		0.017		
1/13/2017						0.014			
3/13/2017	0.0023		<0.0013	0.0025				<0.0013	<0.0013
3/14/2017		<0.0013							
3/16/2017						0.012			
3/17/2017					0.015		0.016		
5/15/2017	<0.0013		<0.0013	<0.0013				<0.0013	<0.0013
5/16/2017					0.01				
5/17/2017						0.0094	0.013		
5/18/2017		<0.0013							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)				0.00026 (J)	<0.0013
3/13/2018					0.0064				
3/14/2018		0.00067 (J)				0.0049	0.019		
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018								0.00025 (J)	0.00026 (J)
6/8/2018					0.0076		0.018		
6/9/2018						0.0047			
6/10/2018		0.00028 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018							0.013	<0.0013	<0.0013
10/18/2018		<0.0013							
11/13/2018					0.0062				
11/14/2018						0.0031			
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
2/28/2019					0.0044		0.011		
3/5/2019						0.0012 (J)			
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
6/4/2019					0.0044	0.002	0.015		
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034				<0.0013	<0.0013
11/12/2019					0.0042	0.0026	0.012		
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004				<0.0013	<0.0013
4/18/2020					0.0028		0.0085		
4/22/2020						0.0037			
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
10/12/2020					0.0025	0.003	0.0071		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
4/1/2021					0.0042	0.0036	0.008		
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013				<0.0013	<0.0013
9/8/2021					0.0033	0.0046	0.0059		
3/22/2022	<0.0013	<0.0013	<0.0013	0.00051				<0.0013	<0.0013
3/25/2022					<0.0013	0.005	0.0069		
9/7/2022	<0.0013	<0.0013	<0.0013						
9/8/2022				<0.0013				<0.0013	0.0034
9/13/2022					<0.0013	<0.0013	<0.0013		
4/6/2023	0.00084 (J)	<0.0013	<0.0013	0.001 (J)					0.00087 (J)
4/7/2023								0.0015	
4/11/2023					0.0052	0.0034	0.0051		
9/1/2023	0.00022 (J)	<0.0013	<0.0013	0.00039				<0.0013	0.00022 (J)
9/8/2023					0.0011 (J)	0.0015	0.0099		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016								<5	<5
3/2/2016					400	450	460		
5/2/2016	15 (o)		<5	2.1 (J)					<5
5/3/2016					2.2 (J)		740	<5	
5/4/2016		<5				500			
7/5/2016	<5		<5	2 (J)	450 (J)		750	<5	<5
7/6/2016						370			
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)				<5	3.7 (J)
9/8/2016					450	450	710		
11/7/2016	<5		<5	1.7 (J)				<5	<5
11/8/2016						450			
11/9/2016					430		810		
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)				<5	<5
1/11/2017		<5							
1/12/2017					130		600		
1/13/2017						390			
3/13/2017	2.5 (J)		<5	2.2 (J)				<5	<5
3/14/2017		<5							
3/16/2017						290			
3/17/2017					290		640		
5/15/2017	<5		<5	1.9 (J)				<5	<5
5/16/2017					280				
5/17/2017						270	590		
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)				1.5 (J)	1.7 (J)
10/3/2017							480		
10/4/2017					250	240			
10/5/2017		<5							
12/20/2017					230 (R)	210 (R)	470		
3/12/2018	<5		<5	2.6 (J)				<5	<5
3/13/2018					160				
3/14/2018		<5				190	470		
6/5/2018	<5		<5	2.6 (J)					
6/6/2018								<5	<5
6/8/2018					160		440		
6/9/2018						170			
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018							270	<5	<5
10/18/2018		<5							
11/13/2018					130				
11/14/2018						110			
2/27/2019	<5	1.9 (J)	<5	2.4 (J)				<5	<5
2/28/2019					130		240		
3/5/2019						86			
5/31/2019	<5	<5	<5	3.3 (J)				<5	<5
6/4/2019					100	100	280		
11/6/2019	<5	<5	<5	3.7 (J)				<5	<5
11/12/2019					100	93	260		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	<5	<5	<5	1.7 (J)				<5	<5
4/18/2020					64		250		
4/22/2020						130			
10/7/2020	<5	<5	<5	4 (J)				<5	<5
10/12/2020					64	110	230		
3/29/2021	<5	<5	<5	2.3				<5	<5
4/1/2021					84	110	200		
9/2/2021	<5	<5	<5	4.7 (J)				<5	<5
9/8/2021					60	110	140		
3/22/2022	<5	<5	<5	4.5 (J)				<5	<5
3/25/2022					71	120	160		
9/7/2022	1.7 (J)	1.5 (J)	1.4 (J)						
9/8/2022				5.5				<5	<5
9/13/2022					130	95	160		
4/6/2023	<5	<5	<5	4.8 (J)					<5
4/7/2023								<5	
4/11/2023					130	140	12 (J)		
9/1/2023	<5	<5	<5	3.8 (J)				<5	<5
9/8/2023					12	71	1100		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001					
3/1/2016								<0.0001	<0.0001
3/2/2016					0.00058 (J)	0.0003 (J)	0.00095 (J)		
5/2/2016	<0.0001		<0.0001	<0.0001					<0.0001
5/3/2016					0.00041 (J)		0.00089	<0.0001	
5/4/2016		<0.0001				0.0005			
7/5/2016	<0.0001		<0.0001	<0.0001	0.0004 (J)		0.001	<0.0001	<0.0001
7/6/2016						0.00047 (J)			
7/8/2016		<0.0001							
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
9/8/2016					0.00045 (J)	0.00053 (J)	0.00088 (J)		
11/7/2016	<0.0001		<0.0001	<0.0001				<0.0001	<0.0001
11/8/2016						0.00055 (J)			
11/9/2016					<0.0005		0.00083 (J)		
11/10/2016		<0.0001							
1/9/2017	<0.0001		<0.0001	<0.0001				<0.0001	<0.0001
1/11/2017		<0.0001							
1/12/2017					0.00012 (J)		0.00076		
1/13/2017						0.00057			
3/13/2017	<0.0001		<0.0001	<0.0001				<0.0001	<0.0001
3/14/2017		<0.0001							
3/16/2017						0.0004 (J)			
3/17/2017					0.00027 (J)		0.00088		
5/15/2017	<0.0001		<0.0001	<0.0001				<0.0001	<0.0001
5/16/2017					0.00025 (J)				
5/17/2017						0.00029 (J)	0.00071		
5/18/2017		<0.0001							
3/12/2018	<0.0001		<0.0001	<0.0001				<0.0001	<0.0001
3/13/2018					0.00018 (J)				
3/14/2018		<0.0001				0.00027 (J)	0.00055		
6/5/2018	<0.0001		<0.0001	<0.0001					
6/6/2018								<0.0001	<0.0001
6/8/2018					0.00018 (J)		0.00048 (J)		
6/9/2018						0.00023 (J)			
6/10/2018		<0.0001							
10/16/2018	<0.0001		<0.0001	<0.0001					
10/17/2018							0.0003 (J)	<0.0001	<0.0001
10/18/2018		<0.0001							
11/13/2018					<0.0005				
11/14/2018						0.00015 (J)			
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
2/28/2019					0.0001 (J)		0.00024 (J)		
3/5/2019						0.00016 (J)			
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
6/4/2019					<0.0005	0.00011 (J)	0.00017 (J)		
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
11/12/2019					<0.0005	0.00012 (J)	0.00019 (J)		
4/16/2020	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
4/18/2020					5.8E-05 (J)		0.00023		
4/22/2020						0.00015			
10/7/2020	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
10/12/2020					0.00014 (J)	0.00025 (J)	0.00033 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/29/2021	<0.0001	<0.0001	<0.0001	<0.0001 (D)				<0.0001	<0.0001
4/1/2021					<0.0005	0.00012	0.0002		
9/2/2021	0.00015 (J)	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
9/8/2021					<0.0005	<0.0005	<0.0005		
3/22/2022	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
3/25/2022					<0.0005	<0.0005	<0.0005		
9/7/2022	<0.0001	<0.0001	<0.0001						
9/8/2022				<0.0001				<0.0001	<0.0001
9/13/2022					<0.0005	<0.0005	<0.0005		
4/6/2023	<0.0001	<0.0001	<0.0001	<0.0001					<0.0001
4/7/2023								<0.0001	
4/11/2023					<0.0005	<0.0005	<0.0005		
9/1/2023	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
9/8/2023					<0.0005	<0.0005	<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
2/29/2016	20	20	<5	12					
3/1/2016								10	<5
3/2/2016					7200	7200	32000 (o)		
5/2/2016	<5		<5	6					36
5/3/2016					6400		13000	<5	
5/4/2016		6				4500			
7/5/2016	12		14	<5	7000		8700	<5	<5
7/6/2016						4900			
7/8/2016		6							
9/6/2016	36	36	30	38				36	44
9/8/2016					6000	4400	11000 (Q)		
11/7/2016	18		8	<5				<5	30
11/8/2016						6200			
11/9/2016					3500		13000		
11/10/2016		16							
1/9/2017	4 (J)		<5	14				<5	12
1/11/2017		38							
1/12/2017					1500		12000		
1/13/2017						4400			
3/13/2017	6		<5	8				22	20
3/14/2017		<5							
3/16/2017						2800			
3/17/2017					2900		10000		
5/15/2017	<5		<5	<5				6	4 (J)
5/16/2017					3100				
5/17/2017						1100	8300		
5/18/2017		10							
10/2/2017	<5		<5	6				16	24
10/3/2017							7100		
10/4/2017					3400	700			
10/5/2017		<5							
12/20/2017					1900 (R)	590 (R)	7000		
3/12/2018	18		14	<5				<5	<5
3/13/2018					1600				
3/14/2018		8				490	6300		
6/5/2018	10		<5	14					
6/6/2018								20	16
6/8/2018					2000		5200		
6/9/2018						430			
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018							3800	44	44
10/18/2018		28							
11/13/2018					1400				
11/14/2018						230			
2/27/2019	110	68	54	110				20	28
2/28/2019					1400		1700		
3/5/2019						300			
5/31/2019	46	<5	8	26				32	18
6/4/2019					1200	400	2300		
11/6/2019	<5	10	4 (J)	<5				24	20
11/12/2019					1000	670	1900		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 2:45 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

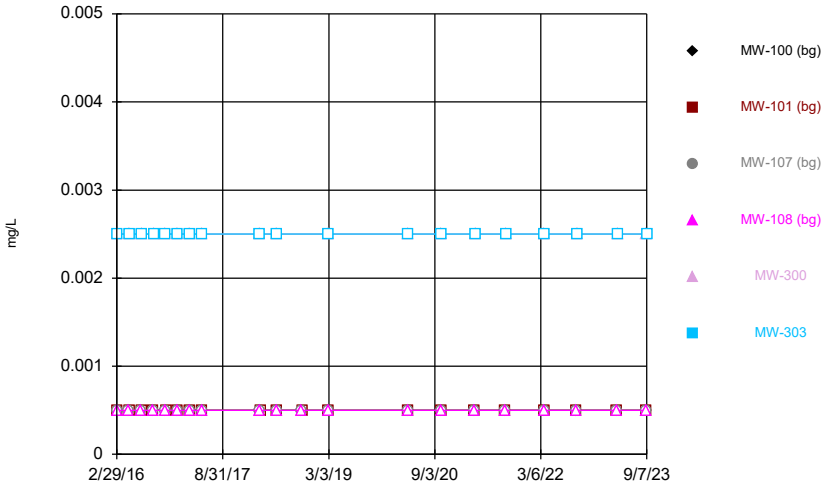
	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
4/16/2020	28	44	18	8				6	8
4/18/2020					240		1700		
4/22/2020						600			
10/7/2020	30	24	20	26				16	12
10/12/2020					600	460	2200		
3/29/2021	38	26	12	28				42	40
4/1/2021					640	650	2300		
9/2/2021	40	8	10	8				10	<5
9/8/2021					480	550	1700		
3/22/2022	58	14	18	46				84	22
3/25/2022					380	610	630		
9/7/2022	36	14	22						
9/8/2022				44				24	48
9/13/2022					600	530	920		
4/6/2023	34	24	22	14					16
4/7/2023								24	
4/11/2023					490	490	890		
9/1/2023	36	18	16	32				16	22
9/8/2023					70	170	580		

ND substitution: RL or RL/2 if <15% NDs.

300 Series

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

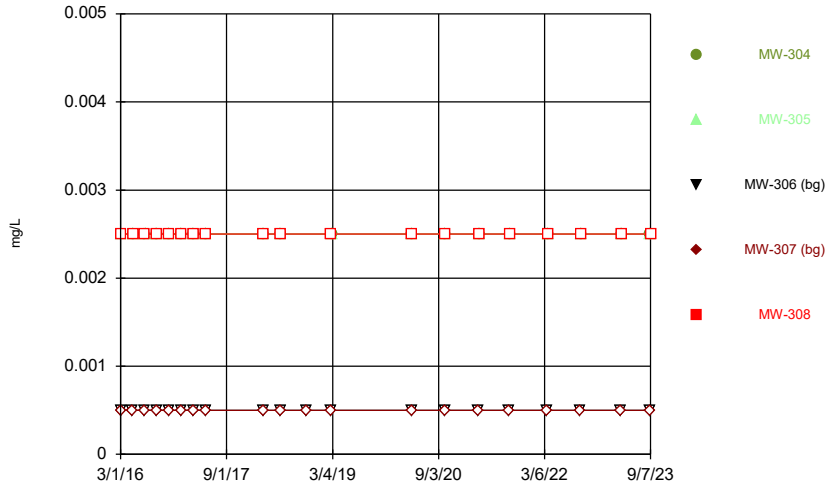
Time Series



Constituent: Antimony Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
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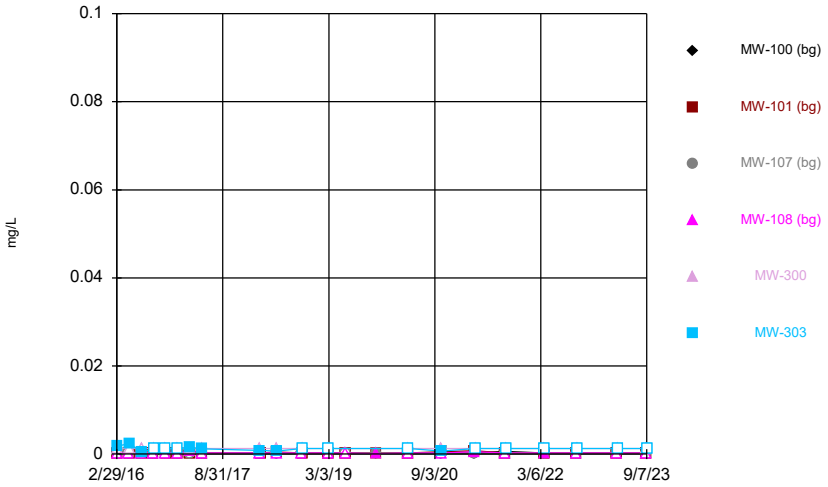
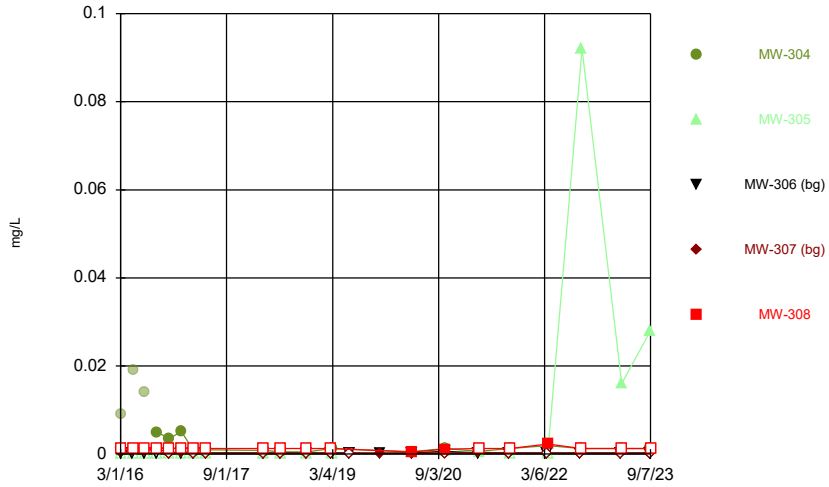
Time Series



Constituent: Arsenic Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

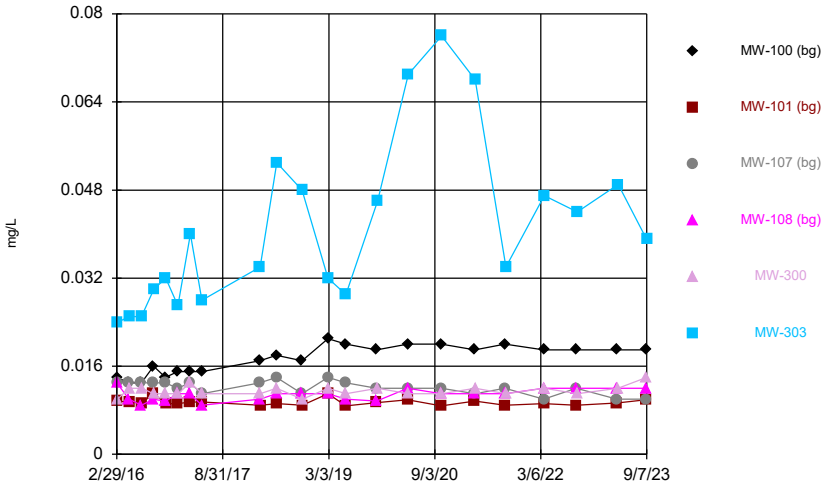
Time Series



Constituent: Arsenic Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

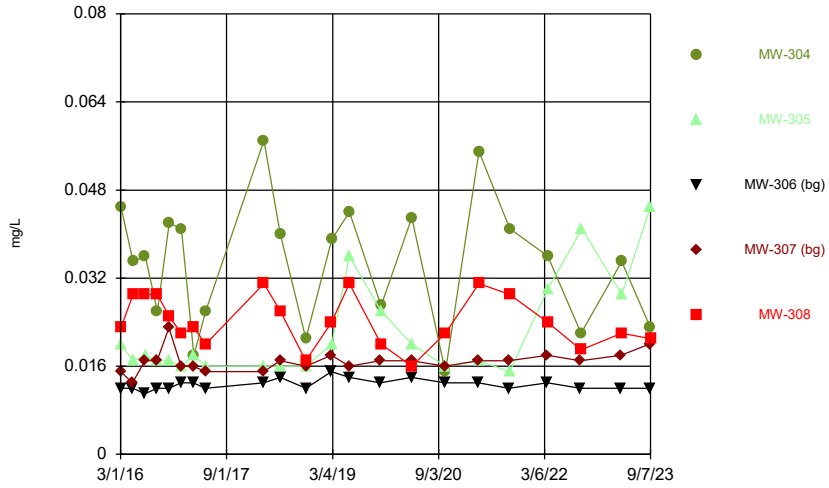
Time Series



Constituent: Barium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

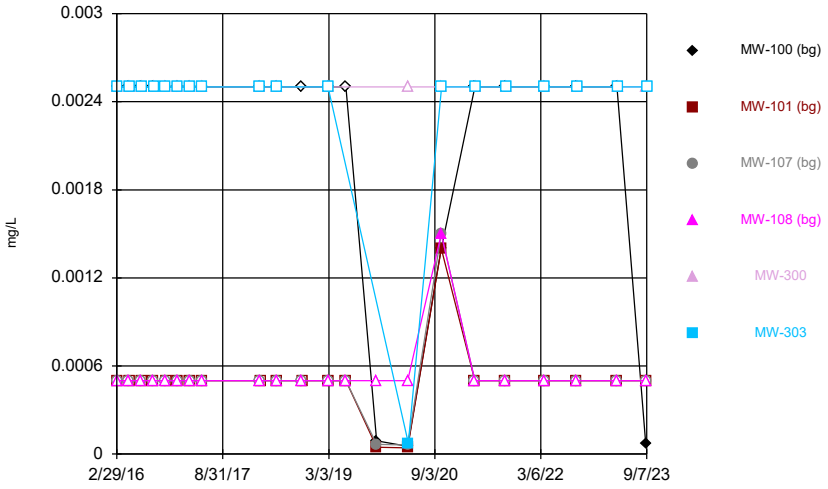
Time Series



Constituent: Barium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

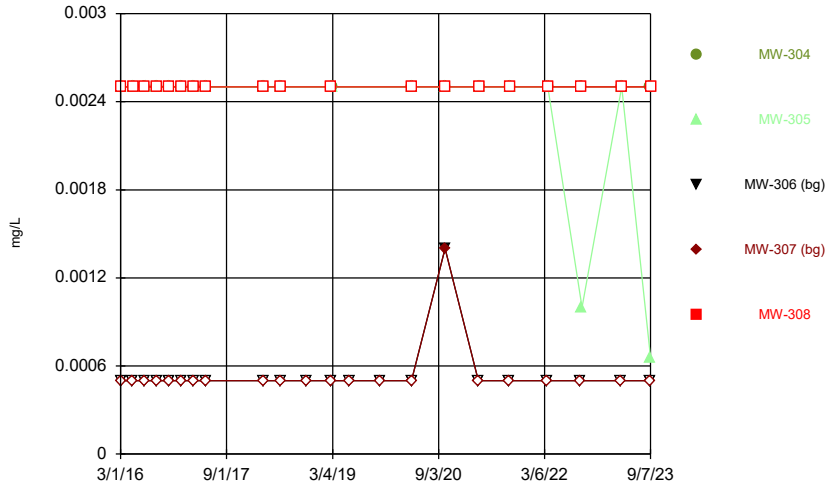
Time Series



Constituent: Beryllium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

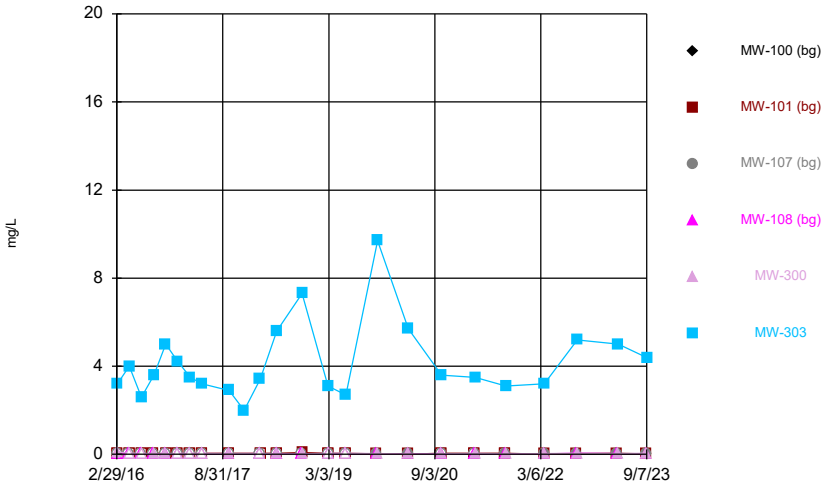
Time Series



Constituent: Beryllium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

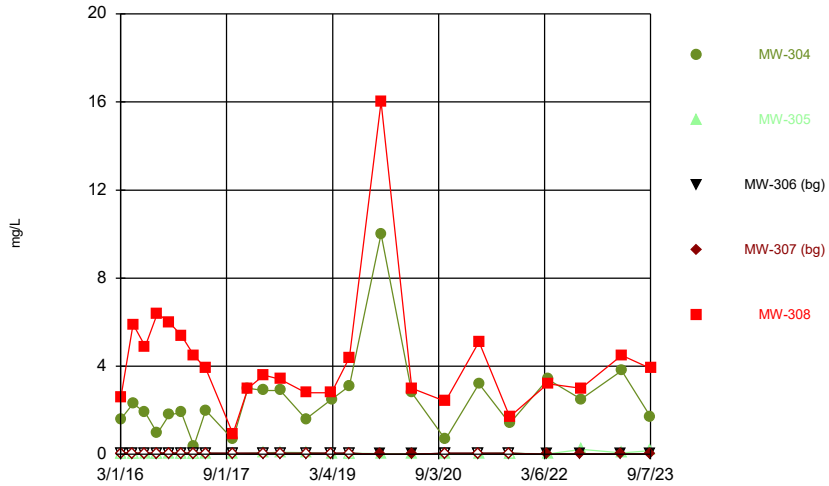
Time Series



Constituent: Boron Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

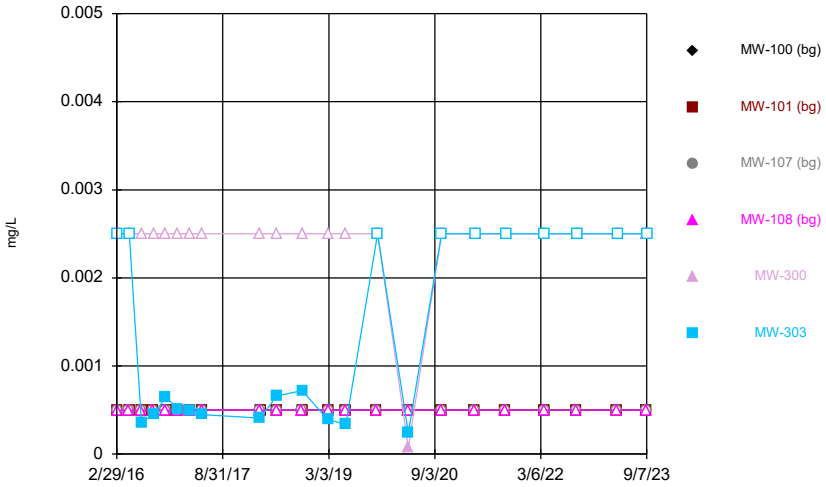
Time Series



Constituent: Boron Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

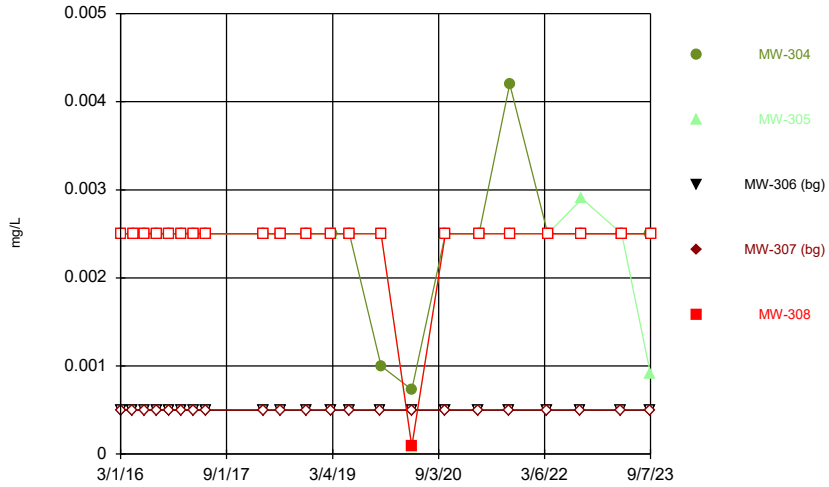
Time Series



Constituent: Cadmium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

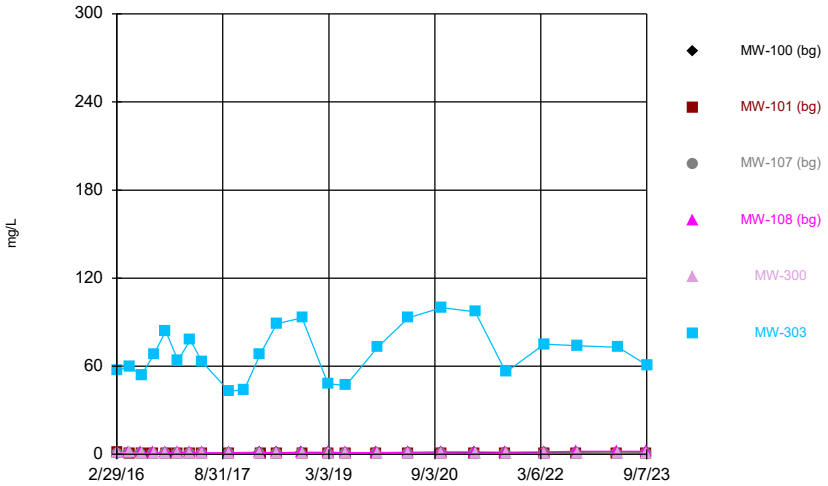
Time Series



Constituent: Cadmium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

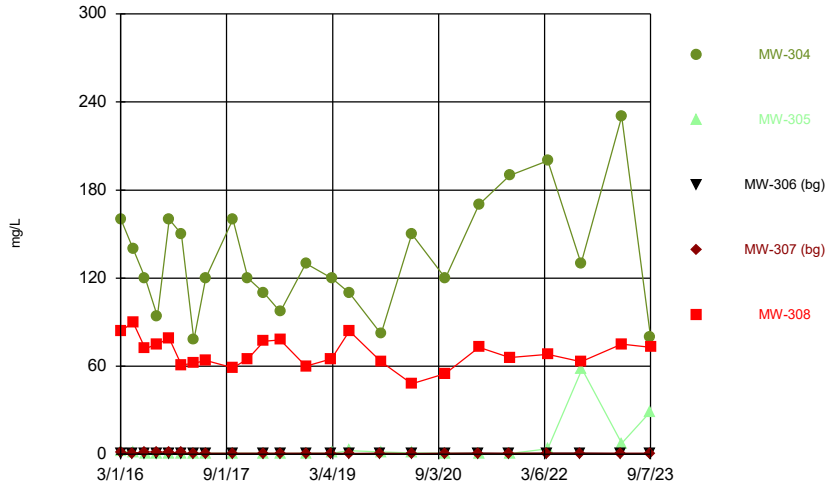
Time Series



Constituent: Calcium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

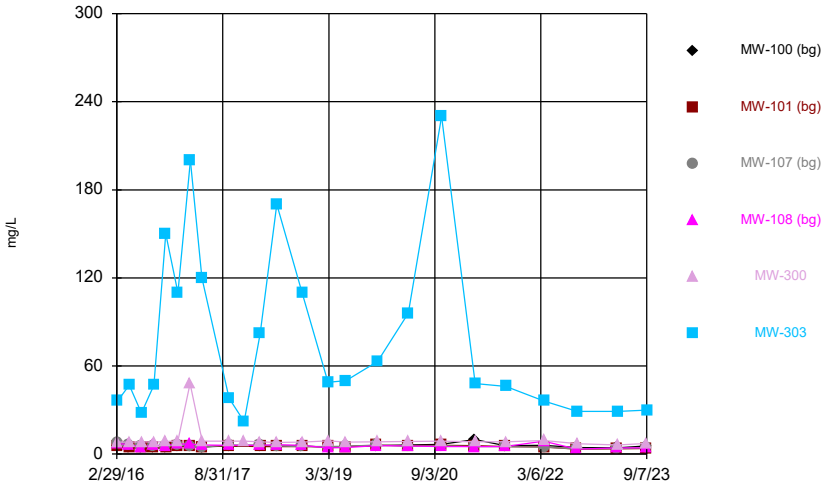
Time Series



Constituent: Calcium Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

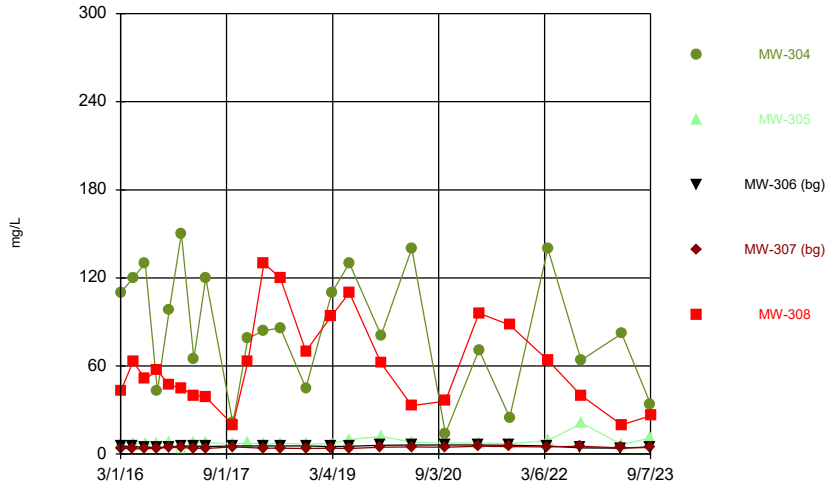
Time Series



Constituent: Chloride Analysis Run 11/29/2023 7:54 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

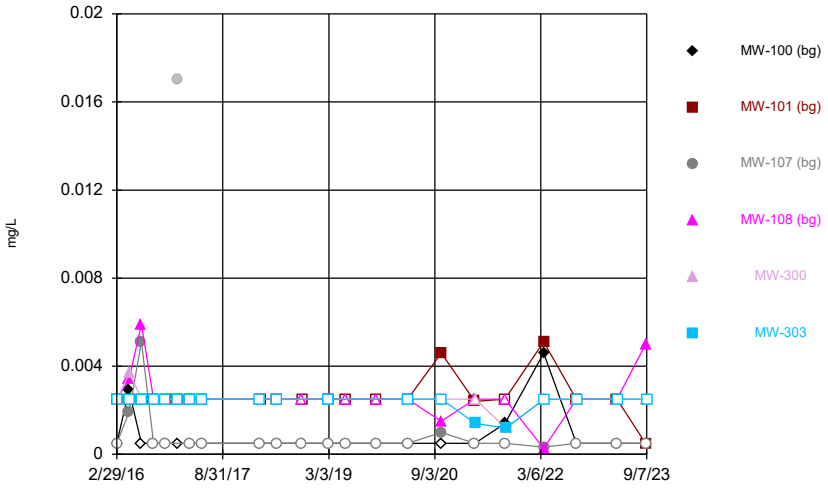
Time Series



Constituent: Chloride Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

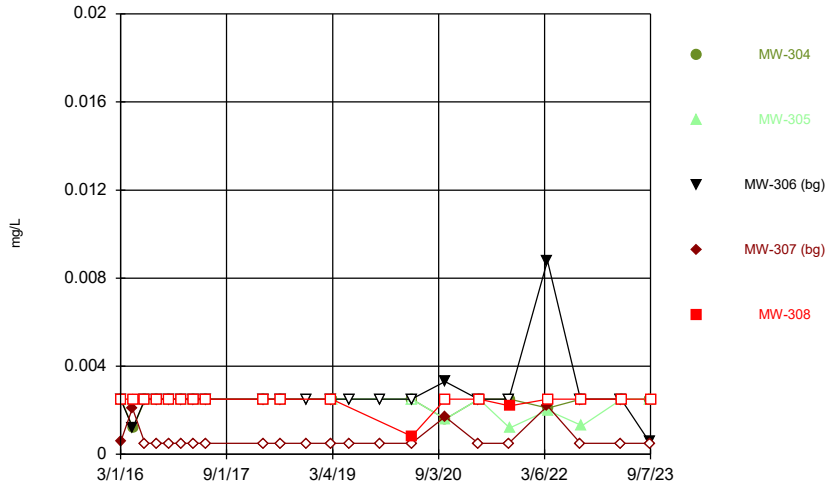
Time Series



Constituent: Chromium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

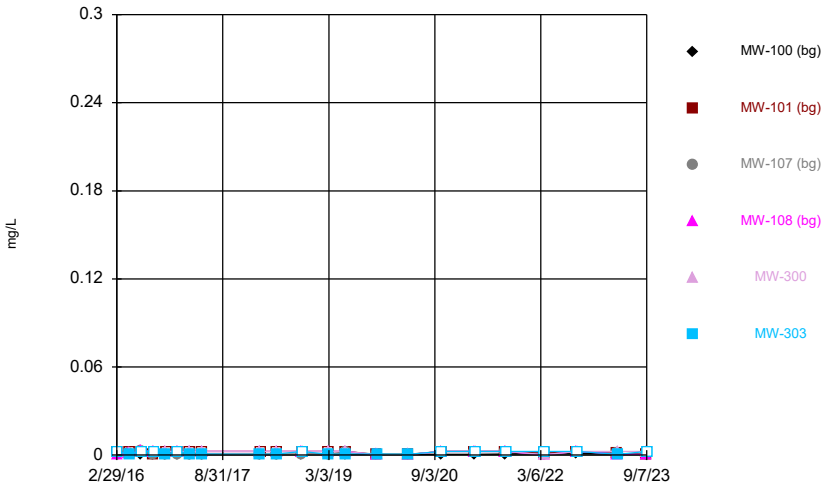
Time Series



Constituent: Chromium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

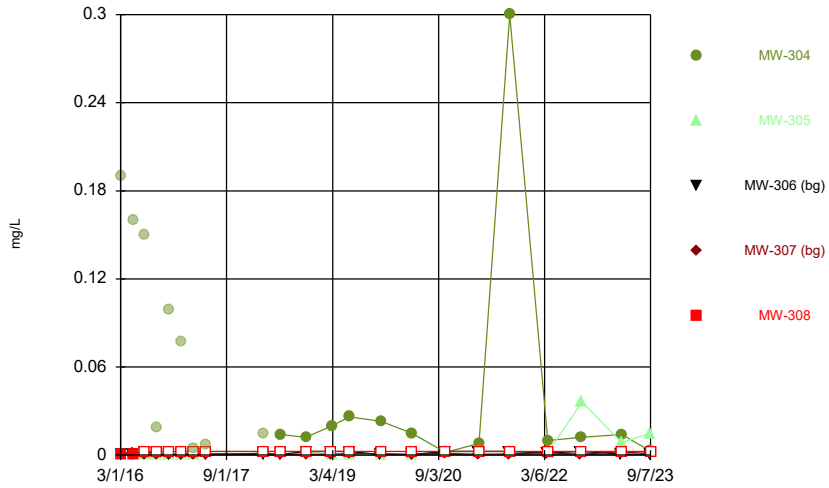
Time Series



Constituent: Cobalt Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

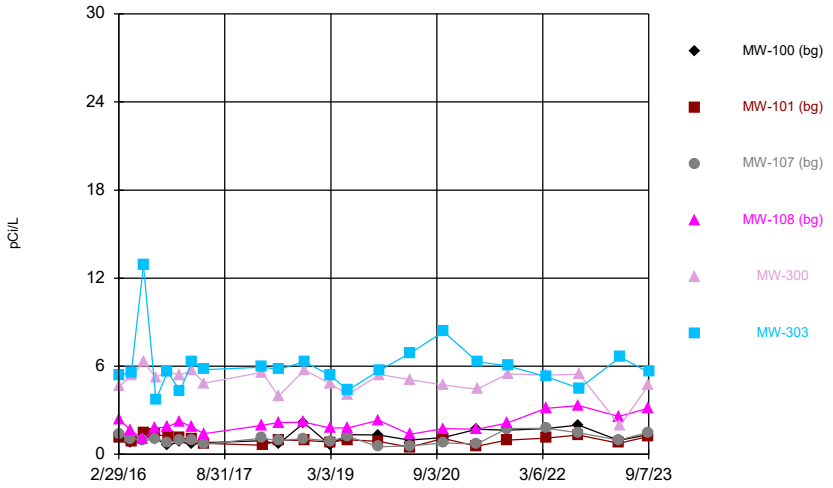
Time Series



Constituent: Cobalt Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

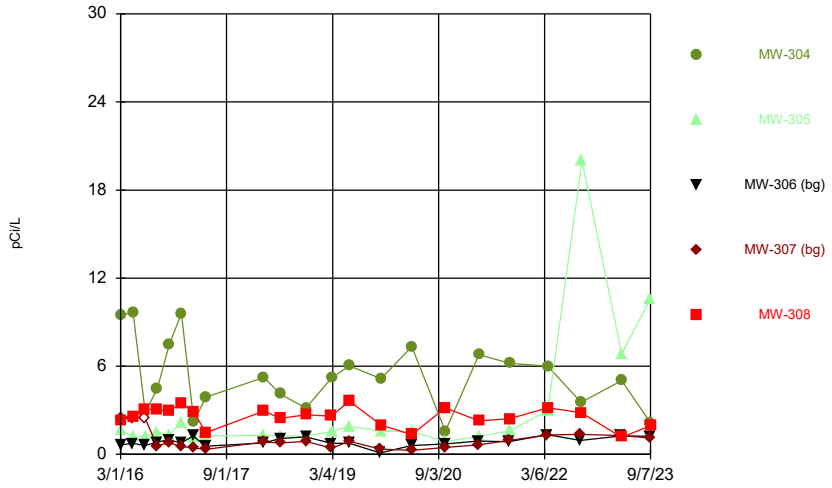
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

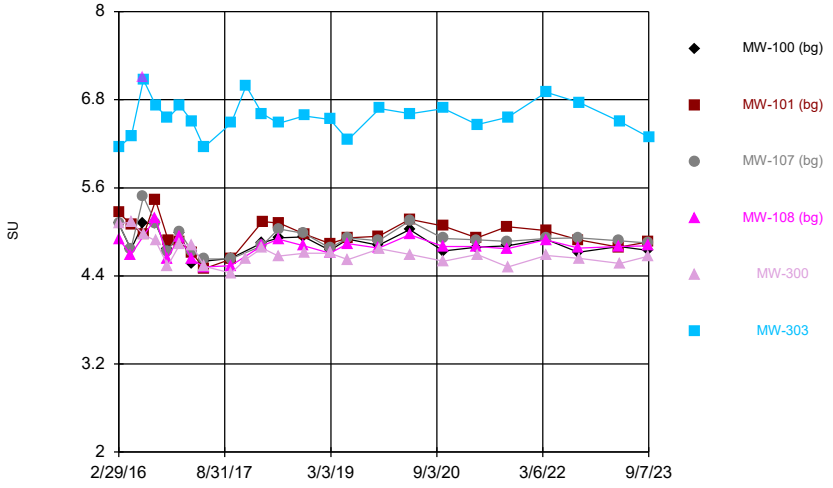
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

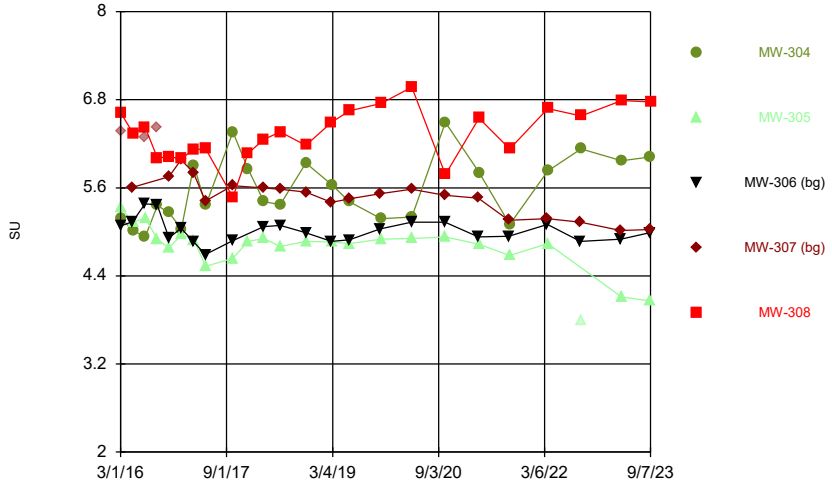
Time Series



Constituent: Field pH Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

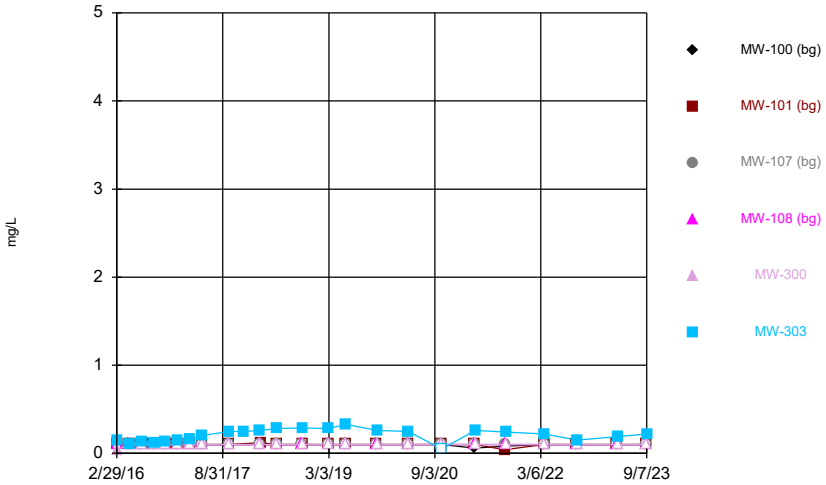
Time Series



Constituent: Field pH Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

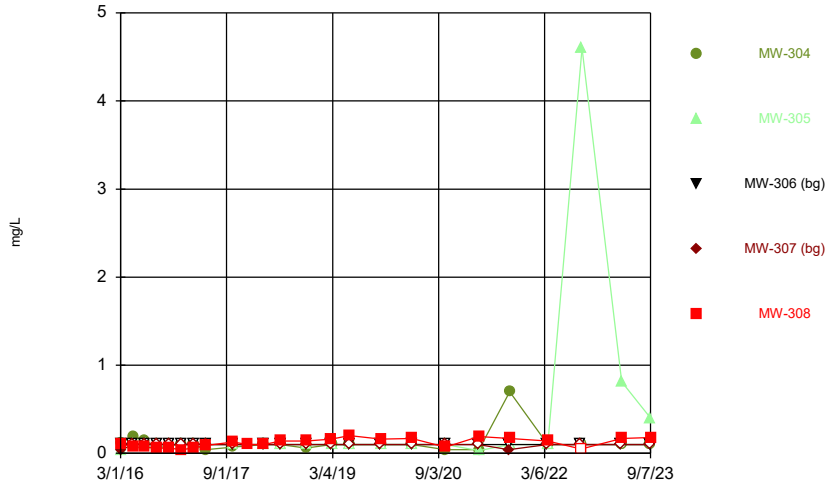
Time Series



Constituent: Fluoride Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

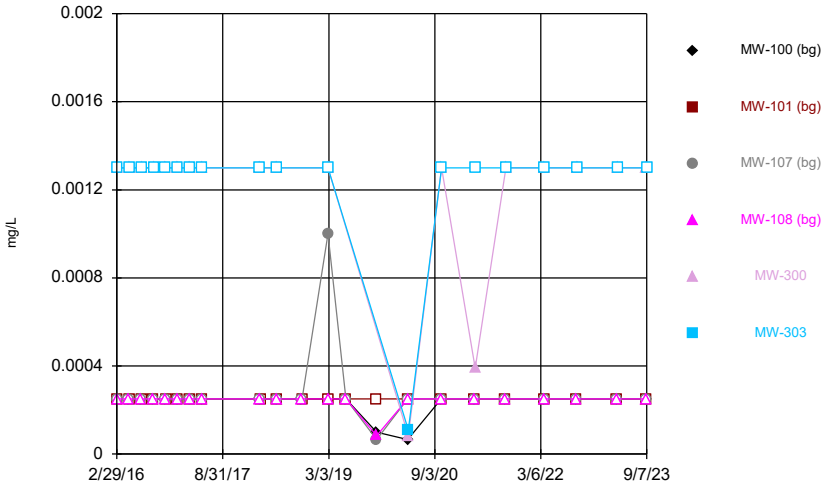
Time Series



Constituent: Fluoride Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

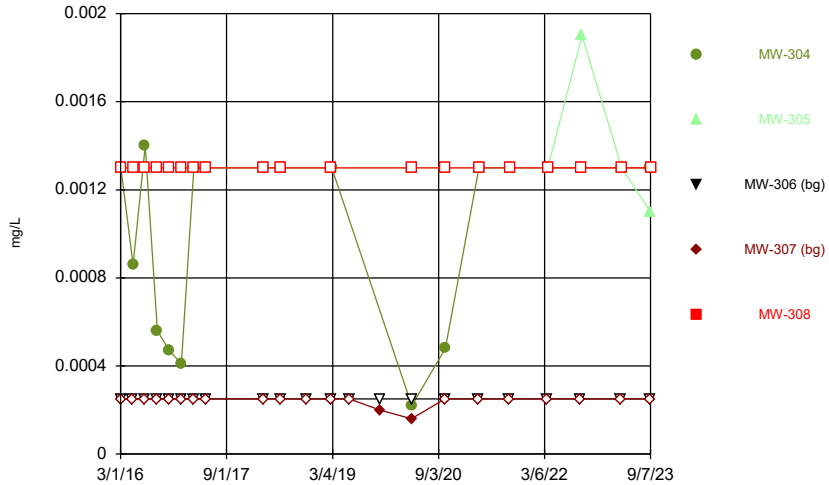
Time Series



Constituent: Lead Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

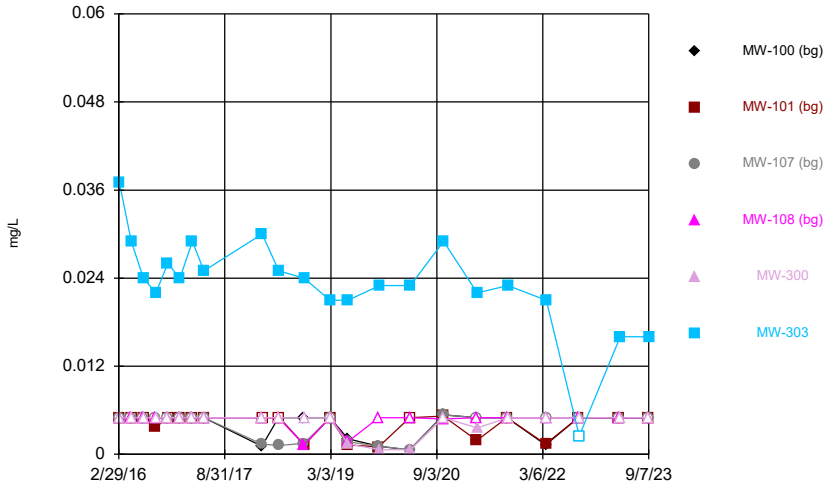
Time Series



Constituent: Lead Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

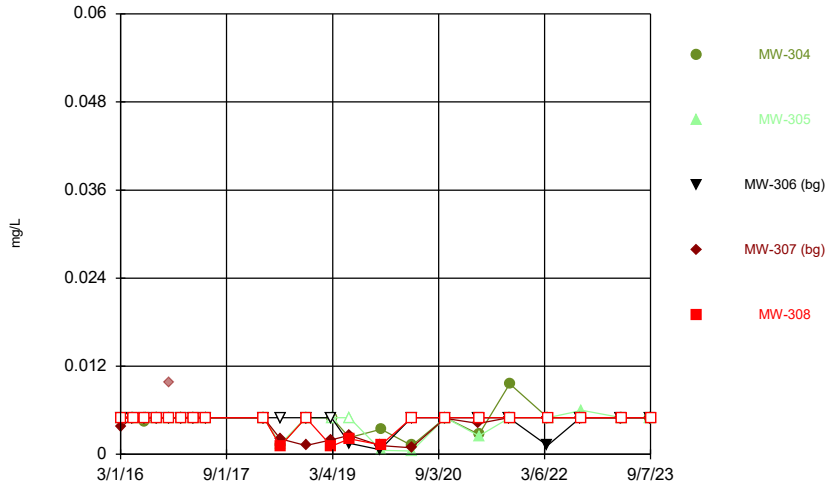
Time Series



Constituent: Lithium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

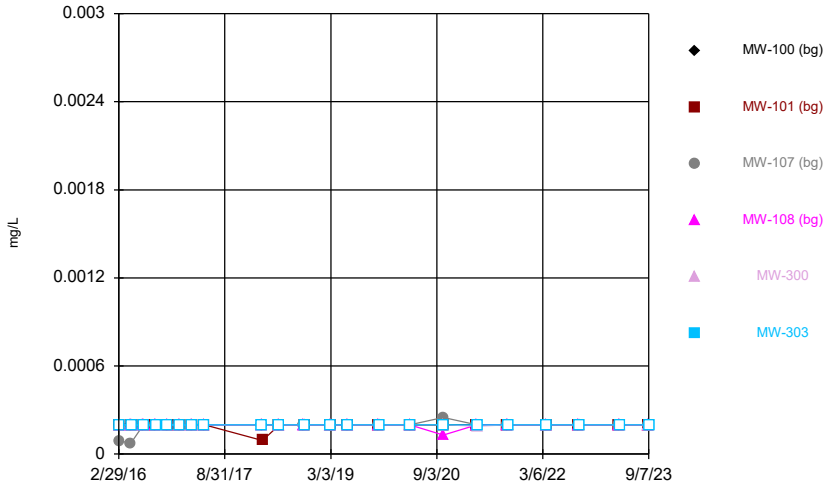
Time Series



Constituent: Lithium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

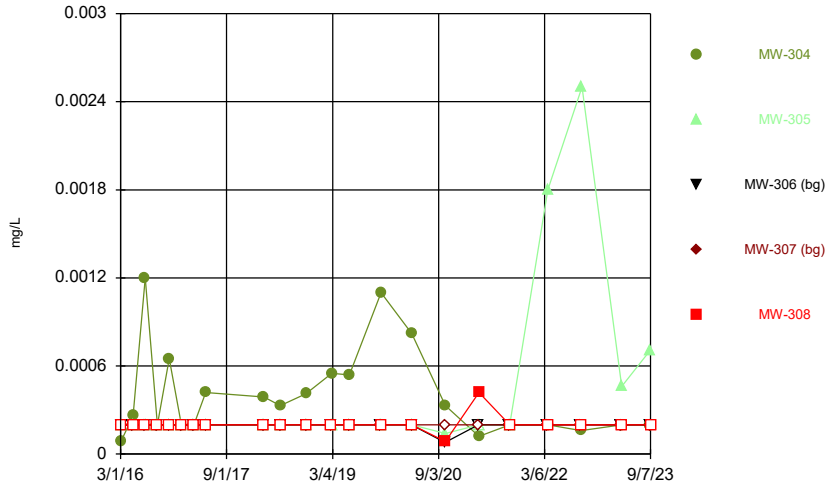
Time Series



Constituent: Mercury Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

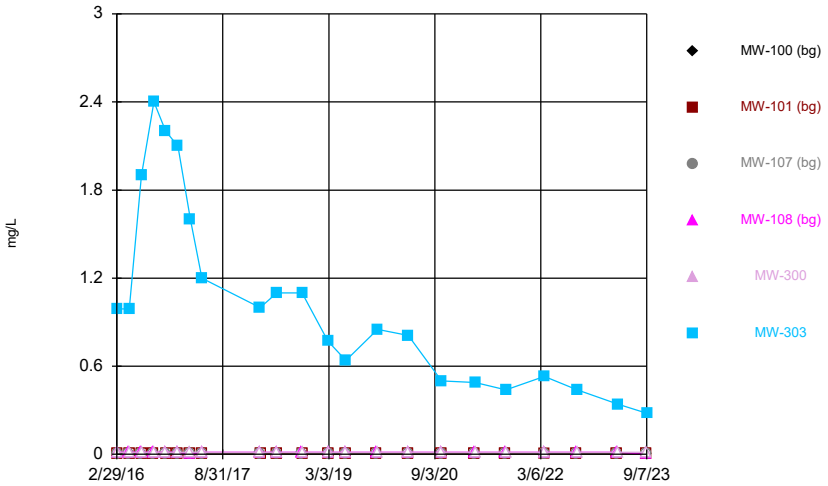
Time Series



Constituent: Mercury Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

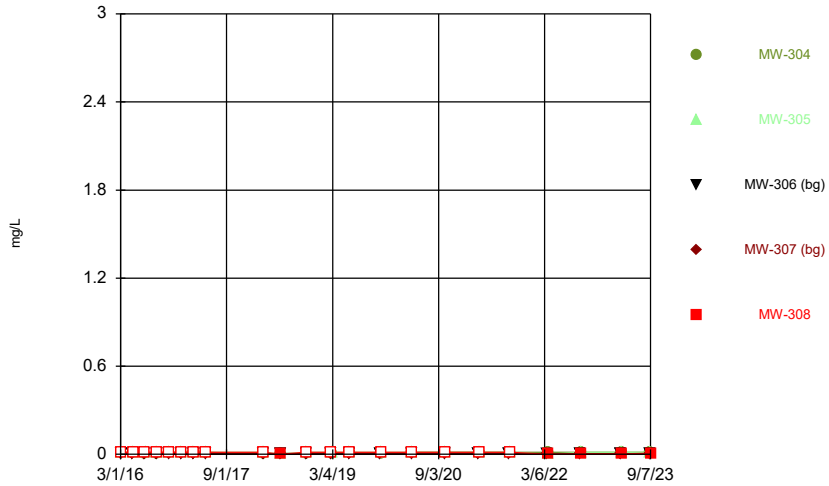
Time Series



Constituent: Molybdenum Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

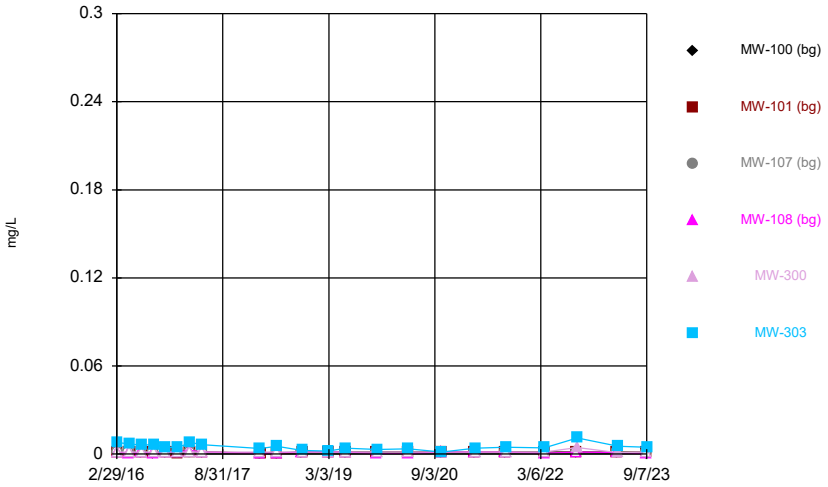
Time Series



Constituent: Molybdenum Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

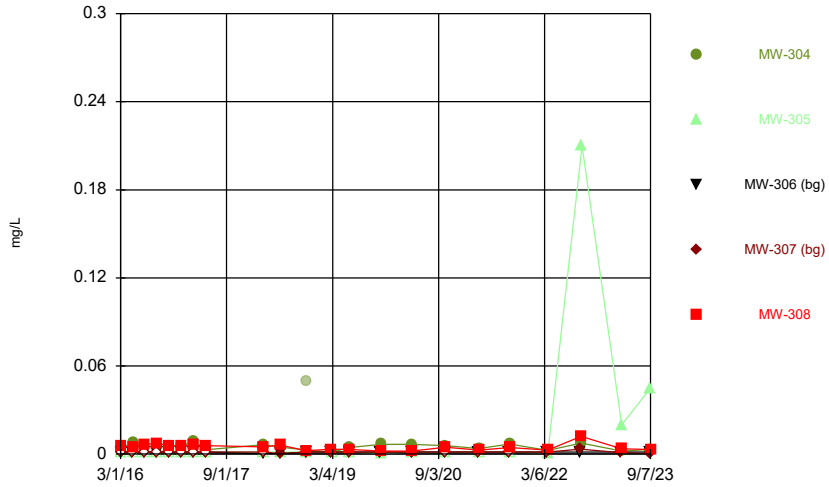
Time Series



Constituent: Selenium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

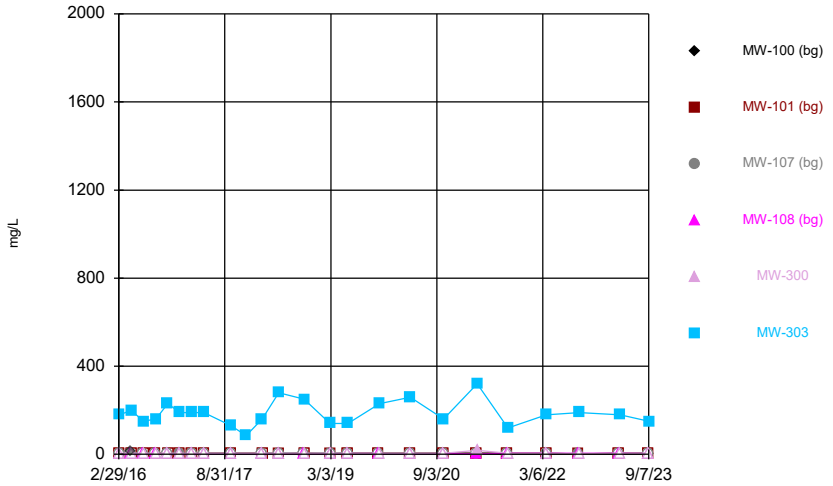
Time Series



Constituent: Selenium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

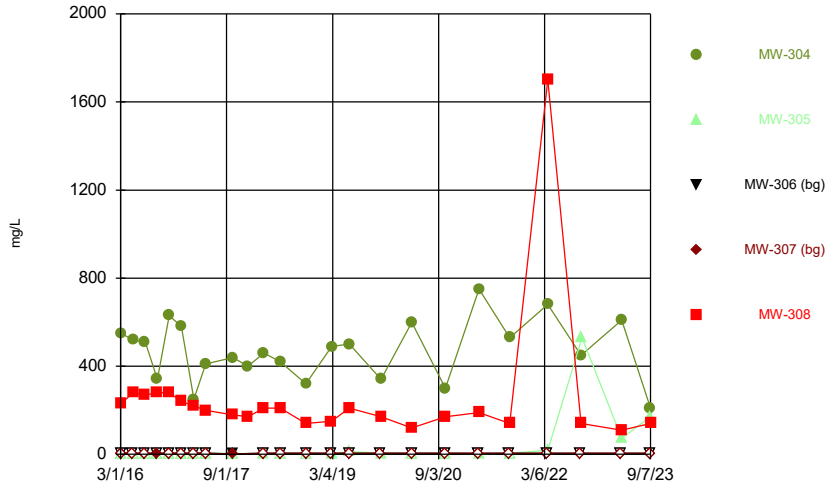
Time Series



Constituent: Sulfate Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

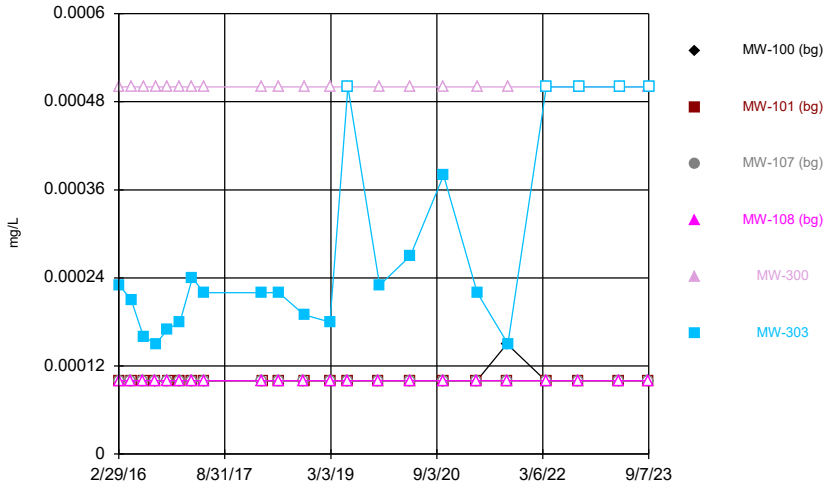
Time Series



Constituent: Sulfate Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

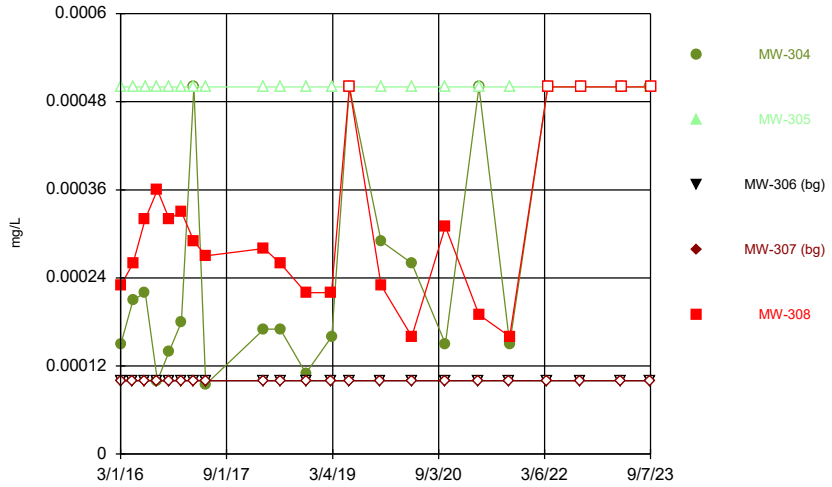
Time Series



Constituent: Thallium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

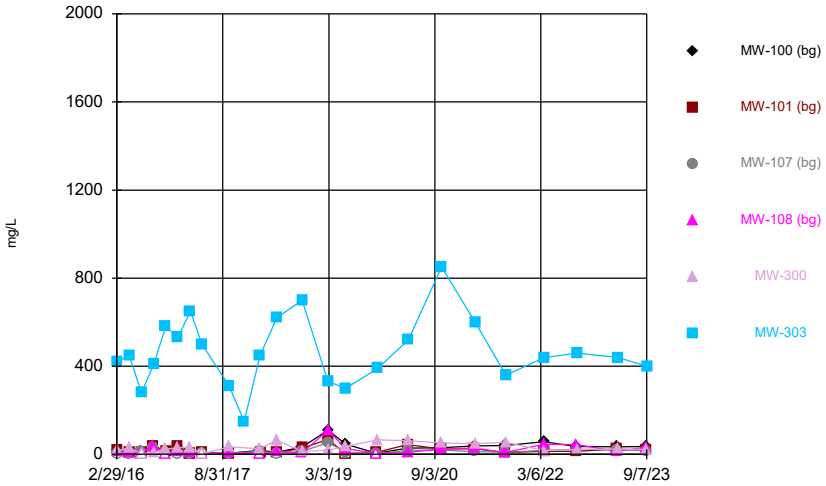
Time Series



Constituent: Thallium Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

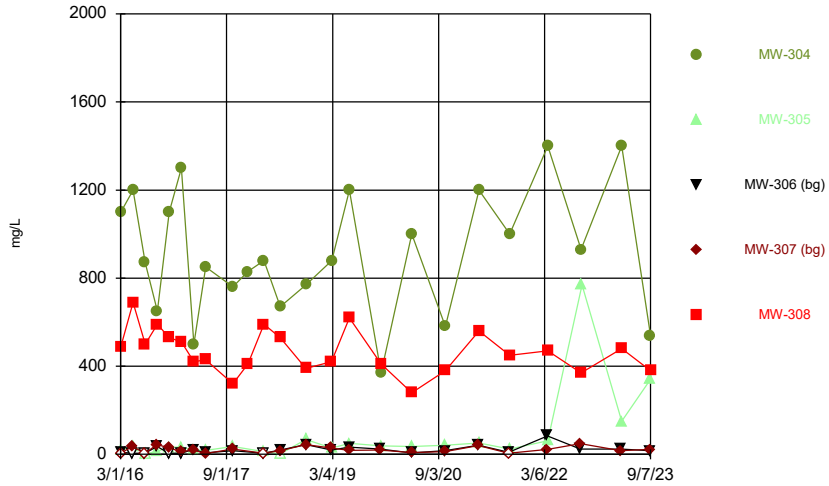
Time Series



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 7:55 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0005		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0025	<0.0025
7/5/2016	<0.0005		<0.0005	<0.0005		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0005		<0.0005	<0.0005		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/18/2018		<0.0005				
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0025	<0.0025
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005		
4/18/2020					<0.0025	<0.0025
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0005	<0.0005	<0.0005			
9/8/2022				<0.0005		
9/12/2022					<0.0025	<0.0025
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2023					<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/11/2023						<0.0025
9/1/2023	<0.0005	<0.0005	<0.0005	<0.0005		
9/6/2023					<0.0025	
9/7/2023						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0005	<0.0005	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0005	<0.0005	
2/27/2019			<0.0005	<0.0005	<0.0025
2/28/2019	<0.0025	<0.0025			
4/16/2020			<0.0005	<0.0005	
4/18/2020	<0.0025	<0.0025			<0.0025
10/7/2020			<0.0005	<0.0005	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0005	<0.0005	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0005	<0.0005	
9/7/2021	<0.0025	<0.0025			<0.0025
3/22/2022			<0.0005	<0.0005	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0005	<0.0005	
9/12/2022	<0.0025				<0.0025
9/16/2022		<0.0025			
4/6/2023				<0.0005	
4/7/2023			<0.0005		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025
9/1/2023			<0.0005	<0.0005	
9/6/2023	<0.0025	<0.0025			
9/7/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025		
3/3/2016					<0.0013	0.0018 (J)
5/2/2016	<0.00025		<0.00025	<0.00025		
5/4/2016		<0.00025			<0.0013	0.0024
7/5/2016	<0.00025		<0.00025	<0.00025		
7/6/2016						0.0005 (J)
7/7/2016					<0.0013	
7/8/2016		<0.00025				
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025		
9/7/2016					<0.0013	
9/8/2016						<0.0013
11/7/2016	<0.00025		<0.00025	<0.00025		
11/8/2016					<0.0013	<0.0013
11/10/2016		<0.00025				
1/9/2017	<0.00025		<0.00025	<0.00025		
1/10/2017					<0.0013	<0.0013
1/11/2017		<0.00025				
3/13/2017	0.00069 (J)		<0.00025	0.00069 (J)		
3/14/2017		<0.00025				
3/15/2017					<0.0013	
3/16/2017						0.0015
5/15/2017	<0.00025		<0.00025	<0.00025		0.0012 (J)
5/16/2017					<0.0013	
5/18/2017		<0.00025				
3/12/2018	<0.00025		<0.00025	<0.00025		
3/13/2018					<0.0013	0.00082 (J)
3/14/2018		<0.00025				
6/5/2018	<0.00025		<0.00025	<0.00025		
6/6/2018					<0.0013	
6/7/2018						0.0007 (J)
6/10/2018		0.00046 (J)				
10/16/2018	<0.00025		<0.00025	<0.00025		
10/17/2018						<0.0013
10/18/2018		<0.00025			<0.0013	
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025		
2/28/2019					<0.0013	<0.0013
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025		
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)		
4/16/2020	<0.00025	<0.00025	<0.00025	<0.00025		
4/18/2020					<0.0013	<0.0013
10/7/2020	<0.00025	0.00056 (J)	<0.00025	<0.00025		
10/8/2020						0.00069 (J)
10/9/2020					<0.0013	
3/29/2021	<0.00025	0.00078	<0.00025	0.00054		
3/31/2021					<0.0013	
4/1/2021						<0.0013
9/2/2021	0.00059 (J)	<0.00025	<0.00025	<0.00025		
9/7/2021					<0.0013	<0.0013
3/22/2022	<0.00025	<0.00025	<0.00025	0.00027		
3/24/2022					<0.0013	<0.0013
9/7/2022	<0.00025	<0.00025	<0.00025			
9/8/2022				<0.00025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/12/2022					<0.0013	<0.0013
4/6/2023	<0.00025	<0.00025	<0.00025	<0.00025		
4/10/2023					<0.0013	
4/11/2023						<0.0013
9/1/2023	<0.00025	<0.00025	<0.00025	<0.00025		
9/6/2023					<0.0013	
9/7/2023						<0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.00025	0.00038 (J)	
3/3/2016	0.009 (o)	<0.00025			<0.0013
5/2/2016				0.00073 (J)	
5/3/2016			<0.00025		
5/4/2016	0.019 (o)	<0.00025			<0.0013
7/5/2016			<0.00025	0.00077 (J)	
7/6/2016	0.014 (o)				<0.0013
7/7/2016		<0.00025			
9/6/2016			<0.00025	0.0013	
9/7/2016	0.005	<0.00025			<0.0013
11/7/2016		<0.00025	<0.00025	<0.00025	
11/8/2016	0.0035				<0.0013
1/9/2017			<0.00025	0.00053 (J)	
1/10/2017	0.0051	<0.00025			<0.0013
3/13/2017			<0.00025	<0.00025	
3/15/2017	0.00066 (J)	<0.00025			
3/16/2017					<0.0013
5/15/2017			<0.00025	<0.00025	
5/16/2017	0.00094 (J)	<0.00025			<0.0013
3/12/2018			<0.00025	<0.00025	
3/13/2018	0.00086 (J)	<0.00025			<0.0013
6/6/2018			<0.00025	<0.00025	
6/7/2018	0.00056 (J)	<0.00025			<0.0013
10/17/2018	0.0005 (J)	<0.00025	<0.00025	<0.00025	<0.0013
2/27/2019			<0.00025	<0.00025	<0.0013
2/28/2019	<0.0013	<0.00025			
5/31/2019			<0.00025	<0.00025	
11/6/2019			0.00014 (J)	0.00024 (J)	
4/16/2020			<0.00025	<0.00025	
4/18/2020	0.00053	0.00042			0.00046
10/7/2020			0.00064 (J)	<0.00025	
10/8/2020					0.0011 (J)
10/9/2020	<0.0013	0.00057 (J)			
3/29/2021			<0.00025	0.00042	
4/1/2021	0.00062	0.00048			<0.0013
9/2/2021			<0.00025	<0.00025	
9/7/2021	<0.0013	<0.00025			<0.0013
3/22/2022			<0.00025	<0.00025	
3/24/2022	0.0019	<0.00025			0.0023
9/8/2022			<0.00025	<0.00025	
9/12/2022	<0.0013				<0.0013
9/16/2022		0.092			
4/6/2023				<0.00025	
4/7/2023			<0.00025		
4/10/2023	<0.0013	0.016			
4/11/2023					<0.0013
9/1/2023			<0.00025	<0.00025	
9/6/2023	<0.0013	0.028			
9/7/2023					<0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.014	0.0097 (J)	0.013	0.013		
3/3/2016					0.01 (J)	0.024
5/2/2016	0.013		0.013	0.01		
5/4/2016		0.0095			0.012	0.025
7/5/2016	0.013		0.013	0.0089		
7/6/2016						0.025
7/7/2016					0.012	
7/8/2016		0.0093				
9/6/2016	0.016	0.011	0.013	0.01		
9/7/2016					0.011	
9/8/2016						0.03
11/7/2016	0.014		0.013	0.0096		
11/8/2016					0.011	0.032
11/10/2016		0.0092				
1/9/2017	0.015		0.012	0.011		
1/10/2017					0.011	0.027
1/11/2017		0.0092				
3/13/2017	0.015		0.013	0.011		
3/14/2017		0.0095				
3/15/2017					0.013	
3/16/2017						0.04
5/15/2017	0.015		0.011	0.0089		0.028
5/16/2017					0.011	
5/18/2017		0.0095				
3/12/2018	0.017		0.013	0.01		
3/13/2018					0.011	0.034
3/14/2018		0.0089				
6/5/2018	0.018		0.014	0.011		
6/6/2018					0.012	
6/7/2018						0.053
6/10/2018		0.0092				
10/16/2018	0.017		0.011	0.011		
10/17/2018						0.048
10/18/2018		0.0089			0.01	
2/27/2019	0.021	0.011	0.014	0.011		
2/28/2019					0.012	0.032
5/31/2019	0.02	0.0088	0.013	0.01	0.011	0.029
11/6/2019	0.019	0.0094	0.012	0.0097		
11/11/2019					0.012	0.046
4/16/2020	0.02	0.0099	0.012	0.012		
4/18/2020					0.011	0.069
10/7/2020	0.02	0.0088	0.012	0.011		
10/8/2020						0.076
10/9/2020					0.011	
3/29/2021	0.019	0.0097	0.011	0.011		
3/31/2021					0.012	
4/1/2021						0.068
9/2/2021	0.02	0.0089	0.012	0.011		
9/7/2021					0.011	0.034
3/22/2022	0.019	0.0092	0.01	0.012		
3/24/2022					0.012	0.047
9/7/2022	0.019	0.0089	0.012			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				0.012		
9/12/2022					0.011	0.044
4/6/2023	0.019	0.0093	0.01	0.012		
4/10/2023					0.012	
4/11/2023						0.049
9/1/2023	0.019	0.0099	0.01	0.012		
9/6/2023					0.014	
9/7/2023						0.039

Time Series

Constituent: Barium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.012	0.015	
3/3/2016	0.045	0.02			0.023
5/2/2016				0.013	
5/3/2016			0.012		
5/4/2016	0.035	0.017			0.029
7/5/2016			0.011	0.017	
7/6/2016	0.036				0.029
7/7/2016		0.018			
9/6/2016			0.012	0.017	
9/7/2016	0.026	0.017			0.029
11/7/2016		0.017	0.012	0.023	
11/8/2016	0.042				0.025
1/9/2017			0.013	0.016	
1/10/2017	0.041	0.016			0.022
3/13/2017			0.013	0.016	
3/15/2017	0.018	0.018			
3/16/2017					0.023
5/15/2017			0.012	0.015	
5/16/2017	0.026	0.016			0.02
3/12/2018			0.013	0.015	
3/13/2018	0.057	0.016			0.031
6/6/2018			0.014	0.017	
6/7/2018	0.04	0.016			0.026
10/17/2018	0.021	0.016	0.012	0.016	0.017
2/27/2019			0.015	0.018	0.024
2/28/2019	0.039	0.02			
5/31/2019	0.044	0.036	0.014	0.016	0.031
11/6/2019			0.013	0.017	
11/11/2019	0.027	0.026			0.02
4/16/2020			0.014	0.017	
4/18/2020	0.043	0.02			0.016
10/7/2020			0.013	0.016	
10/8/2020					0.022
10/9/2020	0.015	0.016			
3/29/2021			0.013	0.017	
4/1/2021	0.055	0.017			0.031
9/2/2021			0.012	0.017	
9/7/2021	0.041	0.015			0.029
3/22/2022			0.013	0.018	
3/24/2022	0.036	0.03			0.024
9/8/2022			0.012	0.017	
9/12/2022	0.022				0.019
9/16/2022		0.041			
4/6/2023				0.018	
4/7/2023			0.012		
4/10/2023	0.035	0.029			
4/11/2023					0.022
9/1/2023			0.012	0.02	
9/6/2023	0.023	0.045			
9/7/2023					0.021

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0025		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0025	<0.0025
7/5/2016	<0.0025		<0.0005	<0.0005		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0005				
9/6/2016	<0.0025	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0025		<0.0005	<0.0005		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0005				
1/9/2017	<0.0025		<0.0005	<0.0005		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0005				
3/13/2017	<0.0025		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0025		<0.0005	<0.0005		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0005				
3/12/2018	<0.0025		<0.0005	<0.0005		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0005				
6/5/2018	<0.0025		<0.0005	<0.0005		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0005				
10/16/2018	<0.0025		<0.0005	<0.0005		
10/18/2018		<0.0005				
2/27/2019	<0.0025	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0025	<0.0025
5/31/2019	<0.0025	<0.0005	<0.0005	<0.0005		
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0005		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0005		
4/18/2020					<0.0025	7.4E-05 (J)
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0025	<0.0005	<0.0005	<0.0005		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0025	<0.0005	<0.0005	<0.0005		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0025	<0.0005	<0.0005	<0.0005		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0025	<0.0005	<0.0005			
9/8/2022				<0.0005		
9/12/2022					<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.0025	<0.0005	<0.0005	<0.0005		
4/10/2023					<0.0025	
4/11/2023						<0.0025
9/1/2023	6.9E-05 (J)	<0.0005	<0.0005	<0.0005		
9/6/2023					<0.0025	
9/7/2023						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0005	<0.0005	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0005	<0.0005	
2/27/2019			<0.0005	<0.0005	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019			<0.0005	<0.0005	
11/6/2019			<0.0005	<0.0005	
4/16/2020			<0.0005	<0.0005	
4/18/2020	<0.0025	<0.0025			<0.0025
10/7/2020			0.0014 (J)	0.0014 (J)	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0005	<0.0005	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0005	<0.0005	
9/7/2021	<0.0025	<0.0025			<0.0025
3/22/2022			<0.0005	<0.0005	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0005	<0.0005	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.001 (J)			
4/6/2023				<0.0005	
4/7/2023			<0.0005		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025
9/1/2023			<0.0005	<0.0005	
9/6/2023	<0.0025	0.00066 (J)			
9/7/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.018	<0.05	<0.018	<0.018		
3/3/2016					0.11 (J)	3.2
5/2/2016	<0.018		<0.018	<0.018		
5/4/2016		<0.05			<0.05	4
7/5/2016	<0.018		<0.018	<0.018		
7/6/2016						2.6
7/7/2016					<0.05	
7/8/2016		<0.05				
9/6/2016	<0.018	<0.05	<0.018	<0.018		
9/7/2016					0.028 (J)	
9/8/2016						3.6
11/7/2016	<0.018		<0.018	<0.018		
11/8/2016					0.025 (J)	5
11/10/2016		<0.05				
1/9/2017	<0.018		<0.018	<0.018		
1/10/2017					<0.05 (*)	4.2
1/11/2017		<0.05				
3/13/2017	<0.018		<0.018	0.022 (J)		
3/14/2017		<0.05				
3/15/2017					<0.05	
3/16/2017						3.5
5/15/2017	<0.018		<0.018	<0.018		3.2
5/16/2017					<0.05	
5/18/2017		<0.05				
10/2/2017	<0.018		<0.018	0.023 (J)		
10/3/2017					0.03 (J)	2.9
10/5/2017		<0.05				
12/20/2017						2
3/12/2018	<0.018		<0.018	<0.018		
3/13/2018					<0.05	3.4
3/14/2018		<0.05				
6/5/2018	<0.018		<0.018	<0.018		
6/6/2018					0.024 (J)	
6/7/2018						5.6
6/10/2018		<0.05				
10/16/2018	<0.018		<0.018	<0.018		
10/17/2018						7.3
10/18/2018		0.081			0.022 (J)	
2/27/2019	<0.018	<0.05	<0.018	<0.018		
2/28/2019					<0.05	3.1
5/31/2019	<0.018	<0.05	<0.018	<0.018	<0.05	2.7
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)		
11/11/2019					0.035 (V)	9.7
4/16/2020	0.02	0.013	0.013	0.017		
4/18/2020					0.027	5.7
10/7/2020	<0.018	<0.05	<0.018	<0.018		
10/8/2020						3.6
10/9/2020					0.025 (J)	
3/29/2021	<0.018	<0.05	<0.018	<0.018		
3/31/2021					0.046	
4/1/2021						3.5
9/2/2021	0.021 (J)	<0.05	0.018 (J)	0.022 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					0.022 (J)	3.1
3/22/2022	0.013	0.012	0.013	0.017		
3/24/2022					0.035	3.2
9/7/2022	0.031 (J)	0.029 (J)	0.031 (J)			
9/8/2022				0.055		
9/12/2022					0.05	5.2
4/6/2023	0.021 (J)	0.048 (J)	0.038 (J)	0.035 (J)		
4/10/2023					0.042 (J)	
4/11/2023						5
9/1/2023	0.021	0.02	0.023	0.025		
9/6/2023					0.048 (J)	
9/7/2023						4.4

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.05	<0.05	
3/3/2016	1.6	<0.05			2.6
5/2/2016				<0.05	
5/3/2016			<0.05		
5/4/2016	2.3	<0.05 (*)			5.9
7/5/2016			<0.05	<0.05	
7/6/2016	1.9				4.9
7/7/2016		0.034 (J)			
9/6/2016			<0.05	<0.05	
9/7/2016	0.95	<0.05			6.4
11/7/2016		0.045 (J)	<0.05	<0.05	
11/8/2016	1.8				6
1/9/2017			<0.05	<0.05	
1/10/2017	1.9	<0.05 (*)			5.4
3/13/2017			<0.05	<0.05	
3/15/2017	0.38	<0.05			
3/16/2017					4.5
5/15/2017			<0.05	<0.05	
5/16/2017	2	0.043 (J)			3.9
10/2/2017			<0.05	<0.05	
10/3/2017	0.67	0.026 (J)			0.93
12/20/2017	3				3
3/12/2018			<0.05	<0.05	
3/13/2018	2.9	0.07			3.6
6/6/2018			<0.05	<0.05	
6/7/2018	2.9	0.1			3.4
10/17/2018	1.6	0.074	<0.05	<0.05	2.8
2/27/2019			<0.05	<0.05	2.8
2/28/2019	2.5	0.027 (J)			
5/31/2019	3.1	<0.05	<0.05	<0.05	4.4
11/6/2019			0.011 (V)	0.0099 (J)	
11/11/2019	10	0.036 (V)			16
4/16/2020			0.0075 (J)	0.0055 (J)	
4/18/2020	2.8	0.016			3
10/7/2020			<0.05	<0.05	
10/8/2020					2.4
10/9/2020	0.68	0.018 (J)			
3/29/2021			<0.05	<0.05	
4/1/2021	3.2	0.035			5.1
9/2/2021			<0.05	<0.05	
9/7/2021	1.4	<0.05			1.7
3/22/2022			0.009 (J)	0.0063 (J)	
3/24/2022	3.4	0.028			3.2
9/8/2022			0.027 (J)	0.025 (J)	
9/12/2022	2.5				3
9/16/2022		0.23			
4/6/2023				0.012 (J)	
4/7/2023			0.011 (J)		
4/10/2023	3.8	0.059			
4/11/2023					4.5
9/1/2023			0.016	0.016	
9/6/2023	1.7	0.17			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					3.9

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0005		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0025	<0.0025
7/5/2016	<0.0005		<0.0005	<0.0005		
7/6/2016						0.00036 (J)
7/7/2016					<0.0025	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0025	
9/8/2016						0.00045 (J)
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0025	0.00065 (J)
11/10/2016		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005		
1/10/2017					<0.0025	0.00051 (J)
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0025	
3/16/2017						0.00049 (J)
5/15/2017	<0.0005		<0.0005	<0.0005		0.00045 (J)
5/16/2017					<0.0025	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0025	0.00041 (J)
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0025	
6/7/2018						0.00066 (J)
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/17/2018						0.00072 (J)
10/18/2018		<0.0005			<0.0025	
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0025	0.00039 (J)
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	0.00034 (J)
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005		
11/11/2019					<0.0025	<0.0025
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005		
4/18/2020					7.5E-05 (J)	0.00024 (J)
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2021					<0.0025	<0.0025
3/22/2022	<0.0005	<0.0005	<0.0005	<0.0005		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0005	<0.0005	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0005		
9/12/2022					<0.0025	<0.0025
4/6/2023	<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2023					<0.0025	
4/11/2023						<0.0025
9/1/2023	<0.0005	<0.0005	<0.0005	<0.0005		
9/6/2023					<0.0025	
9/7/2023						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0005	<0.0005	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018	<0.0025	<0.0025	<0.0005	<0.0005	<0.0025
2/27/2019			<0.0005	<0.0005	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019	<0.0025	<0.0025	<0.0005	<0.0005	<0.0025
11/6/2019			<0.0005	<0.0005	
11/11/2019	0.001 (J)	<0.0025			<0.0025
4/16/2020			<0.0005	<0.0005	
4/18/2020	0.00073	7.6E-05 (J)			8.9E-05 (J)
10/7/2020			<0.0005	<0.0005	
10/8/2020					<0.0025
10/9/2020	<0.0025	<0.0025			
3/29/2021			<0.0005	<0.0005	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0005	<0.0005	
9/7/2021	0.0042	<0.0025			<0.0025
3/22/2022			<0.0005	<0.0005	
3/24/2022	<0.0025	<0.0025			<0.0025
9/8/2022			<0.0005	<0.0005	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.0029			
4/6/2023				<0.0005	
4/7/2023			<0.0005		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025
9/1/2023			<0.0005	<0.0005	
9/6/2023	<0.0025	0.00091 (J)			
9/7/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1	1 (J)	0.67	1.4		
3/3/2016					1 (J)	57
5/2/2016	0.78		0.58	1.1		
5/4/2016		0.62			1	60
7/5/2016	0.65		0.43	0.94		
7/6/2016						54
7/7/2016					0.62	
7/8/2016		0.4				
9/6/2016	0.7	0.45	0.48	1		
9/7/2016					0.6	
9/8/2016						68
11/7/2016	0.8		0.56	1.2		
11/8/2016					0.53	84
11/10/2016		0.44				
1/9/2017	0.74		0.43	1.2		
1/10/2017					0.51	64
1/11/2017		0.42				
3/13/2017	0.78		0.48	1.3		
3/14/2017		0.42				
3/15/2017					0.53	
3/16/2017						78
5/15/2017	0.76		0.37	1		63
5/16/2017					0.48	
5/18/2017		0.38				
10/2/2017	0.78		0.47	1.2		
10/3/2017					0.46	43
10/5/2017		0.39				
12/20/2017						44
3/12/2018	0.88		0.49	1.4		
3/13/2018					0.46	68
3/14/2018		0.49				
6/5/2018	0.9		0.49	1.2		
6/6/2018					0.45	
6/7/2018						89
6/10/2018		0.39				
10/16/2018	0.86		0.42	1.4		
10/17/2018						93
10/18/2018		0.41			0.48	
2/27/2019	0.96	0.44	0.56	1.3		
2/28/2019					0.44	48
5/31/2019	0.76	0.28	0.33	1.1	0.55	47
11/6/2019	0.88	0.46	0.49	1.2		
11/11/2019					0.56 (V)	73
4/16/2020	0.84	0.38	0.36	1.3		
4/18/2020					0.48	93
10/7/2020	0.93	0.47	0.43	1.6		
10/8/2020						100
10/9/2020					0.58	
3/29/2021	1	0.43	0.46	1.6		
3/31/2021					0.3	
4/1/2021						97
9/2/2021	1.1	0.63	0.47	1.5		

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					0.46	56
3/22/2022	0.9	0.38	0.33	1.6		
3/24/2022					0.59	75
9/7/2022	1	0.6	0.61			
9/8/2022				2.1		
9/12/2022					0.71	74
4/6/2023	0.81	0.42	0.32	2.1		
4/10/2023					0.57	
4/11/2023						73
9/1/2023	0.88	0.39	0.33	2.1		
9/6/2023					0.67	
9/7/2023						61

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.6	1.5	
3/3/2016	160	2.5			84
5/2/2016				0.83	
5/3/2016			0.55		
5/4/2016	140	1.1			90
7/5/2016			0.53	1.6	
7/6/2016	120				72
7/7/2016		0.71			
9/6/2016			0.5	1.6	
9/7/2016	94	0.78			75
11/7/2016		0.82	0.68	1.5	
11/8/2016	160				79
1/9/2017			0.56	0.98	
1/10/2017	150	0.58			61
3/13/2017			0.62	0.75	
3/15/2017	78	0.69			
3/16/2017					62
5/15/2017			0.58	0.83	
5/16/2017	120	0.66			64
10/2/2017			0.62	0.83	
10/3/2017	160	0.68			59
12/20/2017	120				65
3/12/2018			0.59	0.71	
3/13/2018	110	0.65			77
6/6/2018			0.59	0.68	
6/7/2018	97	0.6			78
10/17/2018	130	0.73	0.54	0.66	60
2/27/2019			0.63	0.7	65
2/28/2019	120	0.84			
5/31/2019	110	2.6	0.45	0.52	84
11/6/2019			0.55	0.74	
11/11/2019	82	1.6 (V)			63
4/16/2020			0.53	0.59	
4/18/2020	150	0.9			48
10/7/2020			0.63	0.67	
10/8/2020					55
10/9/2020	120	0.76			
3/29/2021			0.68	0.75	
4/1/2021	170	0.61			73
9/2/2021			0.56	0.73	
9/7/2021	190	0.53			66
3/22/2022			0.81	0.7	
3/24/2022	200	3.9			68
9/8/2022			0.69	0.82	
9/12/2022	130				63
9/16/2022		58			
4/6/2023				0.68	
4/7/2023			0.49		
4/10/2023	230	7.5			
4/11/2023					75
9/1/2023			0.52	0.66	
9/6/2023	80	29			

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					73

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.3	5.4	8.1	7.4		
3/3/2016					8.2	36
5/2/2016	4.4		6	6.3		
5/4/2016		4.5			8.2	47
7/5/2016	4.2		5.2	4.8		
7/6/2016						28
7/7/2016					8.3	
7/8/2016		4.9				
9/6/2016	4.3	4.3	5.5	6		
9/7/2016					8.1	
9/8/2016						47
11/7/2016	4.2		5.4	5.7		
11/8/2016					8.5	150
11/10/2016		4.5				
1/9/2017	5.3		6.1	6.8		
1/10/2017					9.1	110
1/11/2017		5.3				
3/13/2017	5.2		5.5	6.8		
3/14/2017		5.5				
3/15/2017					48	
3/16/2017						200
5/15/2017	4.8		4.7	6.1		120
5/16/2017					8.9	
5/18/2017		5				
10/2/2017	5.5		6.1	6		
10/3/2017					8.9	38
10/5/2017		5.6				
12/20/2017					8.8	22
3/12/2018	5.3		6.1	5.9		
3/13/2018					8.3	82
3/14/2018		5.2				
6/5/2018	5.3		5.5	6.5		
6/6/2018					8	
6/7/2018						170
6/10/2018		5.2				
10/16/2018	5.5		5.1	5.9		
10/17/2018						110
10/18/2018		5.2			8.1	
2/27/2019	4.6	5.1	5	4.3		
2/28/2019					9.1	49
5/31/2019	5.1	5	5.4	4.5	8.2	50
11/6/2019	5.8	6	6.1	5.7		
11/11/2019					8.4	63
4/16/2020	6.1	5.8	5.3	5.6		
4/18/2020					8.7	96
10/7/2020	6.6	5.9	5.7	5.1		
10/8/2020						230
10/9/2020					8.9	
3/29/2021	10	5.8	5.2	5		
3/31/2021					8.4	
4/1/2021						48
9/2/2021	5.8	5.1	5.1	5.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					8.3	46
3/22/2022	5.9	4.9	4.7	8.8		
3/24/2022					9.2	36
9/7/2022	4.4	3.4	3.6			
9/8/2022				3.4		
9/12/2022					7.1	29
4/6/2023	4.3	3.6	3.8	4.2		
4/10/2023					6.1	
4/11/2023						29
9/1/2023	5.5	3.9	4.2	4.2		
9/6/2023					7.2	
9/7/2023						30

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.6	4	
3/3/2016	110	7.9			43
5/2/2016				3.6	
5/3/2016			5.1		
5/4/2016	120	7			63
7/5/2016			4.7	3.6	
7/6/2016	130				51
7/7/2016		7.1			
9/6/2016			4.4	4	
9/7/2016	43	6.9			57
11/7/2016		8	4.6	4.4	
11/8/2016	98				47
1/9/2017			5.3	4.4	
1/10/2017	150	<7.4 (*)			45
3/13/2017			5.6	4.1	
3/15/2017	65	8.1			
3/16/2017					40
5/15/2017			5.2	3.7	
5/16/2017	120	7.8			39
10/2/2017			5.5	4.8	
10/3/2017	21	7.1			20
12/20/2017	79	7.6			63
3/12/2018			5.6	4	
3/13/2018	84	6.9			130
6/6/2018			5.6	4.1	
6/7/2018	86	7.3			120
10/17/2018	45	6.8	5.5	3.7	70
2/27/2019			5.1	4	94
2/28/2019	110	7.1			
5/31/2019	130	9.8	5.4	3.7	110
11/6/2019			5.9	4.7	
11/11/2019	81	12			62
4/16/2020			6.2	4.9	
4/18/2020	140	8.2			33
10/7/2020			6.1	4.7	
10/8/2020					36
10/9/2020	14	7.5			
3/29/2021			6.2	5.4	
4/1/2021	71	7.4			96
9/2/2021			5.9	5.1	
9/7/2021	25	7			88
3/22/2022			5.6	4.8	
3/24/2022	140	9.2			64
9/8/2022			4.3	5.3	
9/12/2022	64				40
9/16/2022		21			
4/6/2023				4.2	
4/7/2023			4.1		
4/10/2023	82	6.4			
4/11/2023					20
9/1/2023			4.8	4.4	
9/6/2023	34	11			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					26

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0025	<0.0005	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	0.0029		0.0019 (J)	0.0034		
5/4/2016		<0.0025			0.0037	<0.0025
7/5/2016	<0.0005		0.0051	0.0059		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0005	<0.0025	<0.0005	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0005		<0.0005	<0.0025		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0025				
1/9/2017	<0.0005		0.017 (o)	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	<0.0005		<0.0005	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0005		<0.0005	<0.0025		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0005		<0.0005	<0.0025		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0025				
6/5/2018	<0.0005		<0.0005	<0.0025		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0025				
10/16/2018	<0.0005		<0.0005	<0.0025		
10/18/2018		<0.0025				
2/27/2019	<0.0005	<0.0025	<0.0005	<0.0025		
2/28/2019					<0.0025	<0.0025
5/31/2019	<0.0005	<0.0025	<0.0005	<0.0025		
11/6/2019	<0.0005	<0.0025	<0.0005	<0.0025		
4/16/2020	<0.0005	<0.0025	<0.0005	<0.0025		
4/18/2020					<0.0025	<0.0025
10/7/2020	<0.0005	0.0046	0.001 (J)	0.0015 (J)		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	<0.0005	0.0024	<0.0005	<0.0025		
3/31/2021					<0.0025	
4/1/2021						0.0014
9/2/2021	0.0014 (J)	<0.0025	<0.0005	<0.0025		
9/7/2021					0.0012 (J)	0.0012 (J)
3/22/2022	0.0046	0.0051	0.00032 (J)	0.00027 (J)		
3/24/2022					<0.0025	<0.0025
9/7/2022	<0.0005	<0.0025	<0.0005			
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.0005	<0.0025	<0.0005	<0.0025		
4/10/2023					<0.0025	
4/11/2023						<0.0025
9/1/2023	<0.0005	0.00048 (J)	<0.0005	0.005		
9/6/2023					<0.0025	
9/7/2023						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	0.00056 (J)	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				0.0021 (J)	
5/3/2016			0.0012 (J)		
5/4/2016	0.0012 (J)	0.0025			<0.0025
7/5/2016			<0.0025	<0.0005	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0005	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0005	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0005	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0005	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0005	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0005	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0005	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0025	<0.0005	
2/27/2019			<0.0025	<0.0005	<0.0025
2/28/2019	<0.0025	<0.0025			
5/31/2019			<0.0025	<0.0005	
11/6/2019			<0.0025	<0.0005	
4/16/2020			<0.0025	<0.0005	
4/18/2020	<0.0025	<0.0025			0.00082
10/7/2020			0.0033	0.0017 (J)	
10/8/2020					<0.0025
10/9/2020	0.0016 (J)	0.0016 (J)			
3/29/2021			<0.0025	<0.0005	
4/1/2021	<0.0025	<0.0025			<0.0025
9/2/2021			<0.0025	<0.0005	
9/7/2021	0.0025	0.0012 (J)			0.0022 (J)
3/22/2022			0.0088	0.0022	
3/24/2022	0.0021 (J)	0.002			<0.0025
9/8/2022			<0.0025	<0.0005	
9/12/2022	<0.0025				<0.0025
9/16/2022		0.0013 (J)			
4/6/2023				<0.0005	
4/7/2023			<0.0025		
4/10/2023	<0.0025	<0.0025			
4/11/2023					<0.0025
9/1/2023			0.00056	<0.0005	
9/6/2023	<0.0025	<0.0025			
9/7/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)		
3/3/2016					<0.0025	<0.0025
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		
5/4/2016		<0.0025			0.00093 (J)	0.0007 (J)
7/5/2016	0.00049 (J)		0.0027	0.0032		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025		
11/8/2016					<0.0025	0.00051 (J)
11/10/2016		<0.0025				
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						0.0004 (J)
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025		0.00079 (J)
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025		
3/13/2018					<0.0025	0.00056 (J)
3/14/2018		<0.0025				
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025		
6/6/2018					<0.0025	
6/7/2018						0.0007 (J)
6/10/2018		<0.0025				
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025		
10/17/2018						<0.0025
10/18/2018		<0.0025			<0.0025	
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025		
2/28/2019					<0.0025	0.00059 (J)
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00073 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)		
11/11/2019					0.00023 (J)	0.00065 (J)
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)		
4/18/2020					0.00024 (J)	0.00044 (J)
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025		
10/8/2020						<0.0025
10/9/2020					<0.0025	
3/29/2021	0.00059	<0.0025	<0.0025	<0.0025		
3/31/2021					<0.0025	
4/1/2021						<0.0025
9/2/2021	0.00069 (J)	<0.0025	<0.0025	<0.0025		
9/7/2021					<0.0025	<0.0025
3/22/2022	0.0014	0.0012	0.00038 (J)	0.0002 (J)		
3/24/2022					0.00024 (J)	<0.0025
9/7/2022	<0.0025	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0025		
9/12/2022					<0.0025	<0.0025
4/6/2023	0.0011 (J)	0.00087 (J)	0.00098 (J)	0.00078 (J)		
4/10/2023					<0.0025	
4/11/2023						0.00056 (J)
9/1/2023	0.00055	0.00033 (J)	0.00039 (J)	0.00026 (J)		
9/6/2023					<0.0025	
9/7/2023						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.00064 (J)	0.00071 (J)	
3/3/2016	0.19	0.00085 (J)			0.00063 (J)
5/2/2016				0.001 (J)	
5/3/2016			0.00079 (J)		
5/4/2016	0.16	0.001 (J)			0.00056 (J)
7/5/2016			<0.0025	0.00055 (J)	
7/6/2016	0.15				<0.0025
7/7/2016		0.00044 (J)			
9/6/2016			0.00094 (J)	0.00057 (J)	
9/7/2016	0.019	0.00052 (J)			<0.0025
11/7/2016		0.00046 (J)	0.00041 (J)	0.00047 (J)	
11/8/2016	0.099				<0.0025
1/9/2017			0.00074 (J)	0.00054 (J)	
1/10/2017	0.077	0.00042 (J)			<0.0025
3/13/2017			0.00091 (J)	0.0004 (J)	
3/15/2017	0.0042	0.00044 (J)			
3/16/2017					<0.0025
5/15/2017			0.00075 (J)	0.00046 (J)	
5/16/2017	0.0067	<0.0025			<0.0025
3/12/2018			0.00044 (J)	<0.0025	
3/13/2018	0.015	<0.0025			<0.0025
6/6/2018			0.0004 (J)	0.00048 (J)	
6/7/2018	0.014	<0.0025			<0.0025
10/17/2018	0.012	<0.0025	<0.0025	0.00043 (J)	<0.0025
2/27/2019			<0.0025	0.00045 (J)	<0.0025
2/28/2019	0.02	0.00042 (J)			
5/31/2019	0.026	0.00046 (J)	<0.0025	<0.0025	<0.0025
11/6/2019			0.00029 (J)	0.00094 (J)	
11/11/2019	0.023	0.00063 (J)			<0.0025
4/16/2020			0.00029 (J)	0.00053	
4/18/2020	0.015	0.00045 (J)			<0.0025
10/7/2020			<0.0025	<0.0025	
10/8/2020					<0.0025
10/9/2020	0.0019 (J)	<0.0025			
3/29/2021			<0.0025	0.00062	
4/1/2021	0.0079	<0.0025			<0.0025
9/2/2021			<0.0025	0.00069 (J)	
9/7/2021	0.3	<0.0025			<0.0025
3/22/2022			0.0014	0.0016	
3/24/2022	0.01	0.0016			<0.0025
9/8/2022			<0.0025	0.00064 (J)	
9/12/2022	0.012				<0.0025
9/16/2022		0.036			
4/6/2023				0.0022 (J)	
4/7/2023			0.00072 (J)		
4/10/2023	0.014	0.0085			
4/11/2023					<0.0025
9/1/2023			0.00024 (J)	0.00098	
9/6/2023	0.0028	0.015			
9/7/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1.27	1.09	1.42	2.4		
3/3/2016					4.62	5.43
5/2/2016	0.808		1.03	1.62		
5/4/2016		0.848			5.36	5.52
7/5/2016	0.947		0.961	1.01		
7/6/2016						12.9
7/7/2016					6.27	
7/8/2016		1.46				
9/6/2016	1.07	1.34	1.07	1.8		
9/7/2016					5.25	
9/8/2016						3.73
11/7/2016	0.602		0.818	1.86		
11/8/2016					5.64	5.61
11/10/2016		1.23				
1/9/2017	0.865		0.934	2.25		
1/10/2017					5.39	4.33
1/11/2017		1.11				
3/13/2017	0.693		0.937	1.87		
3/14/2017		1.01				
3/15/2017					5.72	
3/16/2017						6.34
5/15/2017	0.786		0.685	1.4		5.77
5/16/2017					4.84	
5/18/2017		0.745				
3/12/2018	0.933		1.09	1.97		
3/13/2018					5.59	5.94
3/14/2018		0.614				
6/5/2018	0.713		0.927	2.17		
6/6/2018					3.96	
6/7/2018						5.79
6/10/2018		0.959				
10/16/2018	2.14		1.07	2.2		
10/17/2018						6.31
10/18/2018		0.944			5.75	
2/27/2019	0.651	0.827	0.912	1.8		
2/28/2019					4.82	5.4
5/31/2019	1.33	0.99	1.24	1.8	4.06	4.37
11/6/2019	1.32	0.892	0.509 (U)	2.32		
11/11/2019					5.43	5.71
4/16/2020	0.971	0.497	0.568	1.35		
4/18/2020					5.09	6.89
10/7/2020	1.14	1.07	0.763	1.75		
10/8/2020						8.36
10/9/2020					4.71	
3/29/2021	1.72	0.561	0.708			
3/30/2021				1.71		
3/31/2021					4.44	
4/1/2021						6.31
9/2/2021	1.65	0.975	1.75	2.13		
9/7/2021					5.47	6.02
3/22/2022	1.75	1.1	1.78	3.12		
3/24/2022					5.39	5.28

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2022	2	1.32	1.46			
9/8/2022				3.32		
9/12/2022					5.46	4.49
4/6/2023	0.942	0.754	0.97	2.58		
4/10/2023					1.95	
4/11/2023						6.62
9/1/2023	1.33	1.21	1.49	3.12		
9/6/2023					4.71	
9/7/2023						5.6

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.647	<5	
3/3/2016	9.46	1.67			2.29
5/2/2016				<5	
5/3/2016			0.748		
5/4/2016	9.66	1.18			2.58
7/5/2016			0.591	<5	
7/6/2016	2.84				3.08
7/7/2016		1.24			
9/6/2016			0.831	0.566	
9/7/2016	4.49	1.49			3.04
11/7/2016		1.32	0.983	0.784	
11/8/2016	7.47				2.96
1/9/2017			0.767	0.541	
1/10/2017	9.6	2.16			3.5
3/13/2017			1.26	0.442	
3/15/2017	2.22	1.14			
3/16/2017					2.9
5/15/2017			0.553	0.345	
5/16/2017	3.89	1.26			1.47
3/12/2018			0.783	0.848	
3/13/2018	5.25	1.29			2.96
6/6/2018			1.08	0.78	
6/7/2018	4.1	1.25			2.45
10/17/2018	3.15	1.24	1.19	0.88	2.7
2/27/2019			0.741	0.431	2.61
2/28/2019	5.21	1.55			
5/31/2019	6.03	1.9	0.759	0.884	3.62
11/6/2019			0.105 (U)	0.366 (U)	
11/11/2019	5.15	1.58			2
4/16/2020			0.588	0.264 (U)	
4/18/2020	7.33	1.55			1.34
10/7/2020			0.709 (U)	0.46 (U)	
10/8/2020					3.17
10/9/2020	1.58	0.858			
3/29/2021			0.899	0.642	
4/1/2021	6.79	1.23			2.27
9/2/2021			0.856	0.951	
9/7/2021	6.19	1.6			2.42
3/22/2022			1.33	1.32	
3/24/2022	6.01	3			3.16
9/8/2022			0.936	1.36	
9/12/2022	3.54				2.84
9/16/2022		20			
4/6/2023				1.28	
4/7/2023			1.26		
4/10/2023	5.02	6.83			
4/11/2023					1.17
9/1/2023			1.22	1.12	
9/6/2023	2.15	10.6			
9/7/2023					1.96

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.11	5.26	5.11	4.9		
3/3/2016					5.11	6.16
5/2/2016	4.76		4.77	4.69		
5/4/2016		5.1			5.13	6.3
7/5/2016	5.12		5.48	7.11 (o)		
7/6/2016						7.07
7/7/2016					4.96	
7/8/2016		4.96				
9/6/2016	5.11	5.43	5.12	5.19		
9/7/2016					4.88	
9/8/2016						6.72
11/7/2016	4.76		4.73	4.64		
11/8/2016					4.54	6.55
11/10/2016		4.89				
1/9/2017	4.99		5	4.94		
1/10/2017					4.83	6.72
1/11/2017		4.87				
3/13/2017	4.57		4.74	4.63		
3/14/2017		4.71				
3/15/2017					4.82	
3/16/2017						6.5
5/15/2017	4.6		4.63	4.52		6.15
5/16/2017					4.53	
5/18/2017		4.5				
10/2/2017	4.64		4.63	4.54		
10/3/2017					4.44	6.48
10/5/2017		4.63				
12/20/2017					4.63	6.99 (R)
3/12/2018	4.85		4.81	4.81		
3/13/2018					4.78	6.61
3/14/2018		5.14				
6/5/2018	4.92		5.04	4.9		
6/6/2018					4.67	
6/7/2018						6.48
6/10/2018		5.12				
10/16/2018	4.93		4.98	4.81		
10/17/2018						6.58
10/18/2018		4.97			4.71	
2/27/2019	4.75	4.84	4.78	4.71		
2/28/2019					4.71	6.53
5/31/2019	4.9	4.92	4.92	4.84	4.62	6.25
11/6/2019	4.82	4.94	4.88	4.78		
11/11/2019					4.77	6.68
4/16/2020	5.03	5.17	5.15	4.96		
4/18/2020					4.69	6.61
10/7/2020	4.74	5.08	4.91	4.8		
10/8/2020						6.68
10/9/2020					4.6	
3/29/2021	4.79	4.92	4.89	4.8		
3/31/2021					4.69	
4/1/2021						6.46
9/2/2021	4.81	5.07	4.87	4.77		

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					4.52	6.56
3/22/2022	4.9	5.02	4.91	4.89		
3/24/2022					4.68	6.9
9/7/2022	4.72	4.89	4.92			
9/8/2022				4.78		
9/12/2022					4.64	6.76
4/6/2023	4.8	4.79	4.88	4.8		
4/10/2023					4.57	
4/11/2023						6.5
9/1/2023	4.75	4.86	4.85	4.81		
9/6/2023					4.67	
9/7/2023						6.29

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.08	6.37 (o)	
3/3/2016	5.185 (D)	5.33			6.62 (D)
5/2/2016				5.605 (D)	
5/3/2016			5.14		
5/4/2016	5.02 (D)	5.13			6.345 (D)
7/5/2016			5.38	6.29 (o)	
7/6/2016	4.93				6.42
7/7/2016		5.19			
9/6/2016			5.37	6.42 (o)	
9/7/2016	5.36	4.9			6.01
11/7/2016		4.78	4.92	5.75	
11/8/2016	5.26				6.02
1/9/2017			5.05	5.98	
1/10/2017	5.04	4.96			6
3/13/2017			4.87	5.81	
3/15/2017	5.91	4.89			
3/16/2017					6.12
5/15/2017			4.69	5.42	
5/16/2017	5.36	4.53			6.13
10/2/2017			4.88	5.63	
10/3/2017	6.36	4.64			5.47
12/20/2017	5.86	4.87			6.07 (R)
3/12/2018			5.07	5.6	
3/13/2018	5.41	4.91			6.26
6/6/2018			5.09	5.58	
6/7/2018	5.37	4.8			6.36
10/17/2018	5.94	4.87	4.99	5.54	6.18
2/27/2019			4.87	5.4	6.49
2/28/2019	5.64	4.86			
5/31/2019	5.41	4.84	4.89	5.45	6.65
11/6/2019			5.04	5.52	
11/11/2019	5.18	4.9			6.75
4/16/2020			5.13	5.58	
4/18/2020	5.2	4.91			6.97
10/7/2020			5.13	5.5	
10/8/2020					5.78
10/9/2020	6.49	4.93			
3/29/2021			4.93	5.46	
4/1/2021	5.81	4.83			6.55
9/2/2021			4.94	5.16	
9/7/2021	5.1	4.68			6.13
3/22/2022			5.1	5.18	
3/24/2022	5.83	4.84			6.68
9/8/2022			4.87	5.13	
9/12/2022	6.13				6.58
9/16/2022		3.8 (o)			
4/6/2023				5.02	
4/7/2023			4.9		
4/10/2023	5.97	4.11			
4/11/2023					6.79
9/1/2023			4.99	5.03	
9/6/2023	6.02	4.06			

Time Series

Constituent: Field pH (SU) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					6.77

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.1	<0.1	<0.1	<0.1		
3/3/2016					0.041 (J)	0.15
5/2/2016	<0.1		<0.1	<0.1		
5/4/2016		<0.1			<0.1	0.11
7/5/2016	<0.1		<0.1	<0.1		
7/6/2016						0.13
7/7/2016					<0.1	
7/8/2016		<0.1				
9/6/2016	<0.1	<0.1	<0.1	<0.1		
9/7/2016					<0.1	
9/8/2016						0.12
11/7/2016	<0.1		<0.1	<0.1		
11/8/2016					<0.1	0.13
11/10/2016		<0.1				
1/9/2017	<0.1		<0.1	<0.1		
1/10/2017					<0.1	0.15
1/11/2017		<0.1				
3/13/2017	<0.1		<0.1	<0.1		
3/14/2017		<0.1				
3/15/2017					<0.1	
3/16/2017						0.16
5/15/2017	<0.1		<0.1	<0.1		0.2
5/16/2017					<0.1	
5/18/2017		<0.1				
10/2/2017	<0.1		<0.1	<0.1		
10/3/2017					<0.1	0.25
10/5/2017		<0.1				
12/20/2017						0.25
3/12/2018	<0.1		<0.1	<0.1		
3/13/2018					<0.1	0.26
3/14/2018		0.12				
6/5/2018	<0.1		<0.1	<0.1		
6/6/2018					<0.1	
6/7/2018						0.28
6/10/2018		<0.1				
10/16/2018	<0.1		<0.1	<0.1		
10/17/2018						0.29
10/18/2018		<0.1			<0.1	
2/27/2019	<0.1	<0.1	<0.1	<0.1		
2/28/2019					<0.1	0.28
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	0.33
11/6/2019	<0.1	<0.1	<0.1	<0.1		
11/11/2019					<0.1	0.26
4/16/2020	<0.1	<0.1	<0.1	<0.1		
4/18/2020					<0.1	0.25
10/7/2020	<0.1	<0.1	<0.1	<0.1		
10/8/2020						<0.1
10/9/2020					<0.1	
3/29/2021	0.06	<0.1	<0.1	<0.1		
3/31/2021					<0.1	
4/1/2021						0.26
9/2/2021	0.08 (J)	0.04 (J)	0.1	<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					<0.1	0.24
3/22/2022	<0.1	<0.1	<0.1	<0.1		
3/24/2022					<0.1	0.22
9/7/2022	<0.1	<0.1	<0.1			
9/8/2022				<0.1		
9/12/2022					<0.1	0.15 (J)
4/6/2023	<0.1	<0.1	<0.1	<0.1		
4/10/2023					<0.1	
4/11/2023						0.19
9/1/2023	<0.1	<0.1	<0.1	<0.1		
9/6/2023					<0.1	
9/7/2023						0.22

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.1	0.033 (J)	
3/3/2016	0.12	0.035 (J)			0.11
5/2/2016				<0.1	
5/3/2016			<0.1		
5/4/2016	0.19	<0.1			0.07 (J)
7/5/2016			<0.1	<0.1	
7/6/2016	0.15				0.07 (J)
7/7/2016		<0.1			
9/6/2016			<0.1	<0.1	
9/7/2016	0.06 (J)	<0.1			0.06 (J)
11/7/2016		<0.1	<0.1	<0.1	
11/8/2016	0.09 (J)				0.06 (J)
1/9/2017			<0.1	<0.1	
1/10/2017	<0.1	<0.1			0.04 (J)
3/13/2017			<0.1	<0.1	
3/15/2017	<0.1	<0.1			
3/16/2017					0.06 (J)
5/15/2017			<0.1	<0.1	
5/16/2017	0.04 (J)	<0.1			0.09 (J)
10/2/2017			<0.1	<0.1	
10/3/2017	0.07 (J)	<0.1			0.13
12/20/2017					0.1
3/12/2018			<0.1	<0.1	
3/13/2018	<0.1	<0.1			0.1
6/6/2018			<0.1	<0.1	
6/7/2018	<0.1	<0.1			0.14
10/17/2018	0.06 (J)	<0.1	<0.1	<0.1	0.14
2/27/2019			<0.1	<0.1	0.16
2/28/2019	<0.1	<0.1			
5/31/2019	<0.1	<0.1	<0.1	<0.1	0.2
11/6/2019			<0.1	<0.1	
11/11/2019	<0.1	<0.1			0.16
4/16/2020			<0.1	<0.1	
4/18/2020	<0.1	<0.1			0.17
10/7/2020			<0.1	<0.1	
10/8/2020					0.07 (J)
10/9/2020	0.04 (J)	<0.1			
3/29/2021			<0.1	<0.1	
4/1/2021	0.04	0.032			0.19
9/2/2021			<0.1	0.04 (J)	
9/7/2021	0.7	<0.1			0.17
3/22/2022			<0.1	<0.1	
3/24/2022	<0.1	<0.1			0.14
9/8/2022			<0.1	<0.1	
9/12/2022	<0.1				<0.1
9/16/2022		4.6			
4/6/2023				<0.1	
4/7/2023			<0.1		
4/10/2023	<0.1	0.81			
4/11/2023					0.17
9/1/2023			<0.1	<0.1	
9/6/2023	<0.1	0.4			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					0.18

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025		
3/3/2016					<0.0013	<0.0013
5/2/2016	<0.00025		<0.00025	<0.00025		
5/4/2016		<0.00025			<0.0013	<0.0013
7/5/2016	<0.00025		<0.00025	<0.00025		
7/6/2016						<0.0013
7/7/2016					<0.0013	
7/8/2016		<0.00025				
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025		
9/7/2016					<0.0013	
9/8/2016						<0.0013
11/7/2016	<0.00025		<0.00025	<0.00025		
11/8/2016					<0.0013	<0.0013
11/10/2016		<0.00025				
1/9/2017	<0.00025		<0.00025	<0.00025		
1/10/2017					<0.0013	<0.0013
1/11/2017		<0.00025				
3/13/2017	<0.00025		<0.00025	<0.00025		
3/14/2017		<0.00025				
3/15/2017					<0.0013	
3/16/2017						<0.0013
5/15/2017	<0.00025		<0.00025	<0.00025		<0.0013
5/16/2017					<0.0013	
5/18/2017		<0.00025				
3/12/2018	<0.00025		<0.00025	<0.00025		
3/13/2018					<0.0013	<0.0013
3/14/2018		<0.00025				
6/5/2018	<0.00025		<0.00025	<0.00025		
6/6/2018					<0.0013	
6/7/2018						<0.0013
6/10/2018		<0.00025				
10/16/2018	<0.00025		<0.00025	<0.00025		
10/18/2018		<0.00025				
2/27/2019	<0.00025	<0.00025	0.001 (J)	<0.00025		
2/28/2019					<0.0013	<0.0013
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025		
11/6/2019	0.0001 (J)	<0.00025	6.6E-05 (J)	8.4E-05 (J)		
4/16/2020	6.6E-05 (J)	<0.00025	<0.00025	<0.00025		
4/18/2020					8.3E-05 (J)	0.00011 (J)
10/7/2020	<0.00025	<0.00025	<0.00025	<0.00025		
10/8/2020						<0.0013
10/9/2020					<0.0013	
3/29/2021	<0.00025	<0.00025	<0.00025	<0.00025		
3/31/2021					0.00039	
4/1/2021						<0.0013
9/2/2021	<0.00025	<0.00025	<0.00025	<0.00025		
9/7/2021					<0.0013	<0.0013
3/22/2022	<0.00025	<0.00025	<0.00025	<0.00025		
3/24/2022					<0.0013	<0.0013
9/7/2022	<0.00025	<0.00025	<0.00025			
9/8/2022				<0.00025		
9/12/2022					<0.0013	<0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
4/6/2023	<0.00025	<0.00025	<0.00025	<0.00025		
4/10/2023					<0.0013	
4/11/2023						<0.0013
9/1/2023	<0.00025	<0.00025	<0.00025	<0.00025		
9/6/2023					<0.0013	
9/7/2023						<0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.00025	<0.00025	
3/3/2016	<0.0013	<0.0013			<0.0013
5/2/2016				<0.00025	
5/3/2016			<0.00025		
5/4/2016	0.00086 (J)	<0.0013			<0.0013
7/5/2016			<0.00025	<0.00025	
7/6/2016	0.0014				<0.0013
7/7/2016		<0.0013			
9/6/2016			<0.00025	<0.00025	
9/7/2016	0.00056 (J)	<0.0013			<0.0013
11/7/2016		<0.0013	<0.00025	<0.00025	
11/8/2016	0.00047 (J)				<0.0013
1/9/2017			<0.00025	<0.00025	
1/10/2017	0.00041 (J)	<0.0013			<0.0013
3/13/2017			<0.00025	<0.00025	
3/15/2017	<0.0013	<0.0013			
3/16/2017					<0.0013
5/15/2017			<0.00025	<0.00025	
5/16/2017	<0.0013	<0.0013			<0.0013
3/12/2018			<0.00025	<0.00025	
3/13/2018	<0.0013	<0.0013			<0.0013
6/6/2018			<0.00025	<0.00025	
6/7/2018	<0.0013	<0.0013			<0.0013
10/17/2018			<0.00025	<0.00025	
2/27/2019			<0.00025	<0.00025	<0.0013
2/28/2019	<0.0013	<0.0013			
5/31/2019			<0.00025	<0.00025	
11/6/2019			<0.00025	0.0002 (J)	
4/16/2020			<0.00025	0.00016 (J)	
4/18/2020	0.00022 (J)	<0.0013			<0.0013
10/7/2020			<0.00025	<0.00025	
10/8/2020					<0.0013
10/9/2020	0.00048 (J)	<0.0013			
3/29/2021			<0.00025	<0.00025	
4/1/2021	<0.0013	<0.0013			<0.0013
9/2/2021			<0.00025	<0.00025	
9/7/2021	<0.0013	<0.0013			<0.0013
3/22/2022			<0.00025	<0.00025	
3/24/2022	<0.0013	<0.0013			<0.0013
9/8/2022			<0.00025	<0.00025	
9/12/2022	<0.0013				<0.0013
9/16/2022		0.0019			
4/6/2023				<0.00025	
4/7/2023			<0.00025		
4/10/2023	<0.0013	<0.0013			
4/11/2023					<0.0013
9/1/2023			<0.00025	<0.00025	
9/6/2023	<0.0013	0.0011 (J)			
9/7/2023					<0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	0.037
5/2/2016	<0.005		<0.005	<0.005		
5/4/2016		<0.005			<0.005	0.029
7/5/2016	<0.005		<0.005	<0.005		
7/6/2016						0.024
7/7/2016					<0.005	
7/8/2016		<0.005				
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005		
9/7/2016					<0.005	
9/8/2016						0.022
11/7/2016	<0.005		<0.005	<0.005		
11/8/2016					<0.005	0.026
11/10/2016		<0.005				
1/9/2017	<0.005		<0.005	<0.005		
1/10/2017					<0.005	0.024
1/11/2017		<0.005				
3/13/2017	<0.005		<0.005	<0.005		
3/14/2017		<0.005				
3/15/2017					<0.005	
3/16/2017						0.029
5/15/2017	<0.005		<0.005	<0.005		0.025
5/16/2017					<0.005	
5/18/2017		<0.005				
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005		
3/13/2018					<0.005	0.03
3/14/2018		<0.005				
6/5/2018	<0.005		0.0012 (J)	<0.005		
6/6/2018					<0.005	
6/7/2018						0.025
6/10/2018		<0.005				
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)		
10/17/2018						0.024
10/18/2018		0.0013 (J)			<0.005	
2/27/2019	<0.005	<0.005	<0.005	<0.005		
2/28/2019					<0.005	0.021
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0014 (J)	0.021
11/6/2019	0.0011	0.001	0.0011	<0.005		
11/11/2019					0.00062 (J)	0.023
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005		
4/18/2020					0.00062 (J)	0.023
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)		
10/8/2020						0.029
10/9/2020					<0.005	
3/29/2021	<0.005	0.0019	<0.005	<0.005		
3/31/2021					0.0036	
4/1/2021						0.022
9/2/2021	<0.005	<0.005	<0.005	<0.005		
9/7/2021					<0.005	0.023
3/22/2022	0.0013	0.0014	<0.005	<0.005		
3/24/2022					<0.005	0.021
9/7/2022	<0.005	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.005		
9/12/2022					<0.005	<0.005
4/6/2023	<0.005	<0.005	<0.005	<0.005		
4/10/2023					<0.005	
4/11/2023						0.016
9/1/2023	<0.005	<0.005	<0.005	<0.005		
9/6/2023					<0.005	
9/7/2023						0.016

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.005	0.0037	
3/3/2016	<0.005	<0.005			<0.005
5/2/2016				<0.005	
5/3/2016			<0.005		
5/4/2016	<0.005	<0.005			<0.005
7/5/2016			<0.005	<0.005	
7/6/2016	0.0044 (J)				<0.005
7/7/2016		<0.005			
9/6/2016			<0.005	<0.005	
9/7/2016	<0.005	<0.005			<0.005
11/7/2016		<0.005	<0.005	0.0097 (o)	
11/8/2016	<0.005				<0.005
1/9/2017			<0.005	<0.005	
1/10/2017	<0.005	<0.005			<0.005
3/13/2017			<0.005	<0.005	
3/15/2017	<0.005	<0.005			
3/16/2017					<0.005
5/15/2017			<0.005	<0.005	
5/16/2017	<0.005	<0.005			<0.005
3/12/2018			<0.005	<0.005	
3/13/2018	<0.005	<0.005			<0.005
6/6/2018			<0.005	0.0021 (J)	
6/7/2018	0.0012 (J)	0.0014 (J)			0.0011 (J)
10/17/2018	<0.005	<0.005	<0.005	0.0012 (J)	<0.005
2/27/2019			<0.005	0.002 (J)	0.0011 (J)
2/28/2019	<0.005	<0.005			
5/31/2019	0.0023 (J)	<0.005	0.0015 (J)	0.0026 (J)	0.0021 (J)
11/6/2019			0.00063 (J)	0.0012	
11/11/2019	0.0034	0.00054 (J)			0.0013
4/16/2020			<0.005	0.00091 (J)	
4/18/2020	0.0012	0.00047 (J)			<0.005
10/7/2020			0.005	0.0049 (J)	
10/8/2020					<0.005
10/9/2020	<0.005	<0.005			
3/29/2021			<0.005	0.0042	
4/1/2021	0.0027	0.0025			<0.005
9/2/2021			<0.005	<0.005	
9/7/2021	0.0096	<0.005			<0.005
3/22/2022			0.0012	<0.005	
3/24/2022	<0.005	<0.005			<0.005
9/8/2022			<0.005	<0.005	
9/12/2022	<0.005				<0.005
9/16/2022		0.006			
4/6/2023				<0.005	
4/7/2023			<0.005		
4/10/2023	<0.005	<0.005			
4/11/2023					<0.005
9/1/2023			<0.005	<0.005	
9/6/2023	<0.005	<0.005			
9/7/2023					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002		
3/3/2016					<0.0002	<0.0002
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		
5/4/2016		<0.0002			<0.0002	<0.0002
7/5/2016	<0.0002		<0.0002	<0.0002		
7/6/2016						<0.0002
7/7/2016					<0.0002	
7/8/2016		<0.0002 (*)				
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002		
9/7/2016					<0.0002	
9/8/2016						<0.0002
11/7/2016	<0.0002		<0.0002	<0.0002		
11/8/2016					<0.0002	<0.0002
11/10/2016		<0.0002				
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)		
1/10/2017					<0.0002	<0.0002
1/11/2017		<0.0002				
3/13/2017	<0.0002		<0.0002	<0.0002		
3/14/2017		<0.0002 (*)				
3/15/2017					<0.0002	
3/16/2017						<0.0002
5/15/2017	<0.0002		<0.0002	<0.0002		<0.0002
5/16/2017					<0.0002	
5/18/2017		<0.0002				
3/12/2018	<0.0002		<0.0002	<0.0002		
3/13/2018					<0.0002	<0.0002
3/14/2018		9.3E-05 (J)				
6/5/2018	<0.0002		<0.0002	<0.0002		
6/6/2018					<0.0002	
6/7/2018						<0.0002
6/10/2018		<0.0002				
10/16/2018	<0.0002		<0.0002	<0.0002		
10/17/2018						<0.0002
10/18/2018		<0.0002			<0.0002	
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002		
2/28/2019					<0.0002	<0.0002
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002		
11/11/2019					<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002		
4/18/2020					<0.0002	<0.0002
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)		
10/8/2020						<0.0002
10/9/2020					<0.0002	
3/29/2021	<0.0002	<0.0002	<0.0002	<0.0002		
3/31/2021					0.00019	
4/1/2021						<0.0002
9/2/2021	<0.0002	<0.0002	<0.0002	<0.0002		
9/7/2021					<0.0002	<0.0002
3/22/2022	<0.0002	<0.0002	<0.0002	<0.0002		
3/24/2022					<0.0002	<0.0002
9/7/2022	<0.0002	<0.0002	<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0002		
9/12/2022					<0.0002	<0.0002
4/6/2023	<0.0002	<0.0002	<0.0002	<0.0002		
4/10/2023					<0.0002	
4/11/2023						<0.0002
9/1/2023	<0.0002	<0.0002	<0.0002	<0.0002		
9/6/2023					<0.0002	
9/7/2023						<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0002	<0.0002	
3/3/2016	8.6E-05 (J)	<0.0002			<0.0002
5/2/2016				<0.0002	
5/3/2016			<0.0002		
5/4/2016	0.00026	<0.0002			<0.0002
7/5/2016			<0.0002	<0.0002	
7/6/2016	0.0012				<0.0002 (*)
7/7/2016		<0.0002			
9/6/2016			<0.0002 (*)	<0.0002 (*)	
9/7/2016	<0.0002	<0.0002			<0.0002
11/7/2016		<0.0002	<0.0002	<0.0002	
11/8/2016	0.00065				<0.0002
1/9/2017			<0.0002 (*)	<0.0002 (*)	
1/10/2017	<0.0002	<0.0002			<0.0002
3/13/2017			<0.0002	<0.0002	
3/15/2017	<0.0002	<0.0002			
3/16/2017					<0.0002
5/15/2017			<0.0002	<0.0002	
5/16/2017	0.00042	<0.0002			<0.0002
3/12/2018			<0.0002	<0.0002	
3/13/2018	0.00039	<0.0002			<0.0002
6/6/2018			<0.0002	<0.0002	
6/7/2018	0.00033	<0.0002			<0.0002
10/17/2018	0.00041	<0.0002	<0.0002	<0.0002	<0.0002
2/27/2019			<0.0002	<0.0002	<0.0002
2/28/2019	0.00055	<0.0002			
5/31/2019	0.00054	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019			<0.0002	<0.0002	
11/11/2019	0.0011	<0.0002			<0.0002
4/16/2020			<0.0002	<0.0002	
4/18/2020	0.00082	<0.0002			<0.0002
10/7/2020			8E-05 (J)	<0.0002	
10/8/2020					8.7E-05 (J)
10/9/2020	0.00033	0.00014 (J)			
3/29/2021			<0.0002	<0.0002	
4/1/2021	0.00012	<0.0002			0.00042
9/2/2021			<0.0002	<0.0002	
9/7/2021	<0.0002	<0.0002			<0.0002
3/22/2022			<0.0002	<0.0002	
3/24/2022	<0.0002	0.0018			<0.0002
9/8/2022			<0.0002	<0.0002	
9/12/2022	0.00016 (J)				<0.0002
9/16/2022		0.0025			
4/6/2023				<0.0002	
4/7/2023			<0.0002		
4/10/2023	<0.0002	0.00046			
4/11/2023					<0.0002
9/1/2023			<0.0002	<0.0002	
9/6/2023	<0.0002	0.00071			
9/7/2023					<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.003	<0.003	<0.003	<0.015		
3/3/2016					<0.015	0.99
5/2/2016	<0.003		<0.003	<0.015		
5/4/2016		<0.003			<0.015	0.99
7/5/2016	<0.003		<0.003	<0.015		
7/6/2016						1.9
7/7/2016					<0.015	
7/8/2016		<0.003				
9/6/2016	<0.003	<0.003	<0.003	<0.015		
9/7/2016					<0.015	
9/8/2016						2.4
11/7/2016	<0.003		<0.003	<0.015		
11/8/2016					<0.015	2.2
11/10/2016		<0.003				
1/9/2017	<0.003		<0.003	<0.015		
1/10/2017					<0.015	2.1
1/11/2017		<0.003				
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)		
3/14/2017		<0.003				
3/15/2017					<0.015	
3/16/2017						1.6
5/15/2017	<0.003		<0.003	<0.015		1.2
5/16/2017					<0.015	
5/18/2017		<0.003				
3/12/2018	<0.003		<0.003	<0.015		
3/13/2018					<0.015	1
3/14/2018		<0.003				
6/5/2018	<0.003		0.00088 (J)	<0.015		
6/6/2018					<0.015	
6/7/2018						1.1
6/10/2018		<0.003				
10/16/2018	<0.003		<0.003	<0.015		
10/17/2018						1.1
10/18/2018		<0.003			<0.015	
2/27/2019	<0.003	<0.003	<0.003	<0.015		
2/28/2019					<0.015	0.77
5/31/2019	<0.003	<0.003	<0.003	<0.015	<0.015	0.64
11/6/2019	<0.003	<0.003	<0.003	<0.015		
11/11/2019					<0.015	0.85
4/16/2020	<0.003	<0.003	<0.003	<0.015		
4/18/2020					<0.015	0.81
10/7/2020	<0.003	<0.003	<0.003	<0.015		
10/8/2020						0.5
10/9/2020					<0.015	
3/29/2021	<0.003	<0.003	<0.003	<0.015		
3/31/2021					<0.015	
4/1/2021						0.49
9/2/2021	<0.003	<0.003	<0.003	<0.015		
9/7/2021					<0.015	0.44
3/22/2022	0.00066 (J)	0.00064 (J)	<0.003	<0.015		
3/24/2022					<0.015	0.53
9/7/2022	<0.003	<0.003	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.015		
9/12/2022					<0.015	0.44
4/6/2023	<0.003	<0.003	<0.003	<0.015		
4/10/2023					<0.015	
4/11/2023						0.34
9/1/2023	<0.003	<0.003	<0.003	0.00013 (J)		
9/6/2023					<0.015	
9/7/2023						0.28

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.003	<0.003	
3/3/2016	<0.015	<0.015			<0.015
5/2/2016				<0.003	
5/3/2016			<0.003		
5/4/2016	<0.015	<0.015			<0.015
7/5/2016			<0.003	<0.003	
7/6/2016	0.0018 (J)				<0.015
7/7/2016		<0.015			
9/6/2016			<0.003	<0.003	
9/7/2016	0.0029 (J)	<0.015			<0.015
11/7/2016		<0.015	<0.003	<0.003	
11/8/2016	<0.015				<0.015
1/9/2017			<0.003	<0.003	
1/10/2017	<0.015 (*)	<0.015			<0.015
3/13/2017			<0.003	<0.003	
3/15/2017	<0.015	<0.015			
3/16/2017					<0.015
5/15/2017			<0.003	<0.003	
5/16/2017	<0.015 (*)	<0.015 (*)			<0.015
3/12/2018			<0.003	<0.003	
3/13/2018	0.0033 (J)	<0.015			<0.015
6/6/2018			<0.003	<0.003	
6/7/2018	0.0065 (J)	0.0016 (J)			0.00098 (J)
10/17/2018	0.0043 (J)	<0.015	<0.003	<0.003	<0.015
2/27/2019			<0.003	<0.003	<0.015
2/28/2019	0.0028 (J)	<0.015			
5/31/2019	<0.015	<0.015	<0.003	<0.003	<0.015
11/6/2019			<0.003	<0.003	
11/11/2019	0.0056 (J)	<0.015			<0.015
4/16/2020			<0.003	<0.003	
4/18/2020	<0.015	<0.015			<0.015
10/7/2020			<0.003	<0.003	
10/8/2020					<0.015
10/9/2020	<0.015	<0.015			
3/29/2021			<0.003	<0.003	
4/1/2021	<0.015	<0.015			<0.015
9/2/2021			<0.003	<0.003	
9/7/2021	<0.015	<0.015			<0.015
3/22/2022			0.0011 (J)	0.00031 (J)	
3/24/2022	<0.015	0.00033 (J)			0.002 (J)
9/8/2022			<0.003	<0.003	
9/12/2022	<0.015				0.0022 (J)
9/16/2022		<0.015			
4/6/2023				<0.003	
4/7/2023			<0.003		
4/10/2023	<0.015	<0.015			
4/11/2023					0.0037 (J)
9/1/2023			<0.003	<0.003	
9/6/2023	<0.015	<0.015			
9/7/2023					0.0077 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013		
3/3/2016					<0.0013	0.008
5/2/2016	<0.0013		<0.0013	0.00025 (J)		
5/4/2016		<0.0013			<0.0013	0.0068
7/5/2016	<0.0013		<0.0013	<0.0013		
7/6/2016						0.0061
7/7/2016					<0.0013	
7/8/2016		<0.0013				
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)		
9/7/2016					<0.0013	
9/8/2016						0.0065
11/7/2016	<0.0013		<0.0013	<0.0013		
11/8/2016					<0.0013	0.0046
11/10/2016		<0.0013				
1/9/2017	<0.0013		<0.0013	<0.0013		
1/10/2017					<0.0013	0.0045
1/11/2017		0.00049 (J)				
3/13/2017	0.0023		<0.0013	0.0025		
3/14/2017		<0.0013				
3/15/2017					<0.0013	
3/16/2017						0.0079
5/15/2017	<0.0013		<0.0013	<0.0013		0.0064
5/16/2017					<0.0013	
5/18/2017		<0.0013				
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)		
3/13/2018					<0.0013	0.0037
3/14/2018		0.00067 (J)				
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)		
6/6/2018					<0.0013	
6/7/2018						0.0054
6/10/2018		0.00028 (J)				
10/16/2018	<0.0013		<0.0013	<0.0013		
10/17/2018						0.0026
10/18/2018		<0.0013			<0.0013	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013		
2/28/2019					<0.0013	0.002
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0041
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034		
11/11/2019					<0.0013	0.0031
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004		
4/18/2020					<0.0013	0.0035
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013		
10/8/2020						0.0014
10/9/2020					<0.0013	
3/29/2021	<0.0013	<0.0013	<0.0013	<0.0013		
3/31/2021					<0.0013	
4/1/2021						0.004
9/2/2021	<0.0013	<0.0013	<0.0013	<0.0013		
9/7/2021					<0.0013	0.0046
3/22/2022	<0.0013	<0.0013	<0.0013	0.00051		
3/24/2022					<0.0013	0.0042
9/7/2022	<0.0013	<0.0013	<0.0013			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0013		
9/12/2022					0.0045	0.011
4/6/2023	0.00084 (J)	<0.0013	<0.0013	0.001 (J)		
4/10/2023					0.00087 (J)	
4/11/2023						0.0053
9/1/2023	0.00022 (J)	<0.0013	<0.0013	0.00039		
9/6/2023					<0.0013	
9/7/2023						0.0047

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0013	<0.0013	
3/3/2016	0.0041 (J)	<0.0013			0.0051 (J)
5/2/2016				<0.0013	
5/3/2016			<0.0013		
5/4/2016	0.008	<0.0013			0.0049
7/5/2016			<0.0013	<0.0013	
7/6/2016	0.0056				0.0066
7/7/2016		<0.0013			
9/6/2016			<0.0013	<0.0013	
9/7/2016	0.0045	<0.0013			0.0073
11/7/2016		<0.0013	<0.0013	<0.0013	
11/8/2016	0.0055				0.0058
1/9/2017			<0.0013	<0.0013	
1/10/2017	0.0056	<0.0013			0.0058
3/13/2017			<0.0013	<0.0013	
3/15/2017	0.0088	<0.0013			
3/16/2017					0.006
5/15/2017			<0.0013	<0.0013	
5/16/2017	0.0029	<0.0013			0.0058
3/12/2018			0.00026 (J)	<0.0013	
3/13/2018	0.0065	<0.0013			0.0048
6/6/2018			0.00025 (J)	0.00026 (J)	
6/7/2018	0.0047	<0.0013			0.0061
10/17/2018	0.05 (o)	<0.0013	<0.0013	<0.0013	0.0023
2/27/2019			<0.0013	<0.0013	0.0033
2/28/2019	0.0011 (J)	<0.0013			
5/31/2019	0.0045	<0.0013	<0.0013	<0.0013	0.0031
11/6/2019			<0.0013	<0.0013	
11/11/2019	0.0067	0.00027			0.002
4/16/2020			<0.0013	<0.0013	
4/18/2020	0.0066	<0.0013			0.0021
10/7/2020			<0.0013	<0.0013	
10/8/2020					0.0047
10/9/2020	0.0057	<0.0013			
3/29/2021			<0.0013	<0.0013	
4/1/2021	0.0038	<0.0013			0.0027
9/2/2021			<0.0013	<0.0013	
9/7/2021	0.0069	<0.0013			0.0045
3/22/2022			<0.0013	<0.0013	
3/24/2022	0.0025	0.00077			0.0028
9/8/2022			<0.0013	0.0034	
9/12/2022	0.0075				0.012
9/16/2022		0.21			
4/6/2023				0.00087 (J)	
4/7/2023			0.0015		
4/10/2023	0.0021	0.02			
4/11/2023					0.0036
9/1/2023			<0.0013	0.00022 (J)	
9/6/2023	0.0031	0.045			
9/7/2023					0.0031

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<5	<5	<5	1.6 (J)		
3/3/2016					<5	180
5/2/2016	15 (o)		<5	2.1 (J)		
5/4/2016		<5			<5	200
7/5/2016	<5		<5	2 (J)		
7/6/2016						150
7/7/2016					<5	
7/8/2016		<5				
9/6/2016	<5	<5	<5	1.8 (J)		
9/7/2016					<5	
9/8/2016						160
11/7/2016	<5		<5	1.7 (J)		
11/8/2016					<5	230
11/10/2016		<5				
1/9/2017	<5		2.6 (J)	1.5 (J)		
1/10/2017					<5	190
1/11/2017		<5				
3/13/2017	2.5 (J)		<5	2.2 (J)		
3/14/2017		<5				
3/15/2017					<5 (*)	
3/16/2017						190
5/15/2017	<5		<5	1.9 (J)		190
5/16/2017					<5	
5/18/2017		<5 (X)				
10/2/2017	<5		<5	3.4 (J)		
10/3/2017					<5	130
10/5/2017		<5				
12/20/2017						85
3/12/2018	<5		<5	2.6 (J)		
3/13/2018					<5	160
3/14/2018		<5				
6/5/2018	<5		<5	2.6 (J)		
6/6/2018					<5	
6/7/2018						280
6/10/2018		1.5 (J)				
10/16/2018	<5		<5	2.8 (J)		
10/17/2018						250
10/18/2018		<5			<5	
2/27/2019	<5	1.9 (J)	<5	2.4 (J)		
2/28/2019					<5	140
5/31/2019	<5	<5	<5	3.3 (J)	<5	140
11/6/2019	<5	<5	<5	3.7 (J)		
11/11/2019					<5	230
4/16/2020	<5	<5	<5	1.7 (J)		
4/18/2020					<5	260
10/7/2020	<5	<5	<5	4 (J)		
10/8/2020						160
10/9/2020					<5	
3/29/2021	<5	<5	<5	2.3		
3/31/2021					18	
4/1/2021						320
9/2/2021	<5	<5	<5	4.7 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					<5	120
3/22/2022	<5	<5	<5	4.5 (J)		
3/24/2022					<5	180
9/7/2022	1.7 (J)	1.5 (J)	1.4 (J)			
9/8/2022				5.5		
9/12/2022					<5	190
4/6/2023	<5	<5	<5	4.8 (J)		
4/10/2023					<5	
4/11/2023						180
9/1/2023	<5	<5	<5	3.8 (J)		
9/6/2023					<5	
9/7/2023						150

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<5	<5	
3/3/2016	550	<5			230
5/2/2016				<5	
5/3/2016			<5		
5/4/2016	520	<5			280
7/5/2016			<5	<5	
7/6/2016	510				270
7/7/2016		<5			
9/6/2016			<5	3.7 (J)	
9/7/2016	340	<5			280
11/7/2016		<5	<5	<5	
11/8/2016	630				280
1/9/2017			<5	<5	
1/10/2017	580	<5			240
3/13/2017			<5	<5	
3/15/2017	250	<5 (*)			
3/16/2017					220
5/15/2017			<5	<5	
5/16/2017	410	<5			200
10/2/2017			1.5 (J)	1.7 (J)	
10/3/2017	440	<5			180
12/20/2017	400				170
3/12/2018			<5	<5	
3/13/2018	460	1.5 (J)			210
6/6/2018			<5	<5	
6/7/2018	420	<5			210
10/17/2018	320	<5	<5	<5	140
2/27/2019			<5	<5	150
2/28/2019	490	2.6 (J)			
5/31/2019	500	12	<5	<5	210
11/6/2019			<5	<5	
11/11/2019	340	5.5			170
4/16/2020			<5	<5	
4/18/2020	600	<5			120
10/7/2020			<5	<5	
10/8/2020					170
10/9/2020	300	<5			
3/29/2021			<5	<5	
4/1/2021	750	1.9			190
9/2/2021			<5	<5	
9/7/2021	530	<5			140
3/22/2022			<5	<5	
3/24/2022	680	18			1700
9/8/2022			<5	<5	
9/12/2022	450				140
9/16/2022		530			
4/6/2023				<5	
4/7/2023			<5		
4/10/2023	610	74			
4/11/2023					110
9/1/2023			<5	<5	
9/6/2023	210	170			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					140

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001		
3/3/2016					<0.0005	0.00023 (J)
5/2/2016	<0.0001		<0.0001	<0.0001		
5/4/2016		<0.0001			<0.0005	0.00021 (J)
7/5/2016	<0.0001		<0.0001	<0.0001		
7/6/2016						0.00016 (J)
7/7/2016					<0.0005	
7/8/2016		<0.0001				
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001		
9/7/2016					<0.0005	
9/8/2016						0.00015 (J)
11/7/2016	<0.0001		<0.0001	<0.0001		
11/8/2016					<0.0005	0.00017 (J)
11/10/2016		<0.0001				
1/9/2017	<0.0001		<0.0001	<0.0001		
1/10/2017					<0.0005	0.00018 (J)
1/11/2017		<0.0001				
3/13/2017	<0.0001		<0.0001	<0.0001		
3/14/2017		<0.0001				
3/15/2017					<0.0005	
3/16/2017						0.00024 (J)
5/15/2017	<0.0001		<0.0001	<0.0001		0.00022 (J)
5/16/2017					<0.0005	
5/18/2017		<0.0001				
3/12/2018	<0.0001		<0.0001	<0.0001		
3/13/2018					<0.0005	0.00022 (J)
3/14/2018		<0.0001				
6/5/2018	<0.0001		<0.0001	<0.0001		
6/6/2018					<0.0005	
6/7/2018						0.00022 (J)
6/10/2018		<0.0001				
10/16/2018	<0.0001		<0.0001	<0.0001		
10/17/2018						0.00019 (J)
10/18/2018		<0.0001			<0.0005	
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001		
2/28/2019					<0.0005	0.00018 (J)
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001		
11/11/2019					<0.0005	0.00023 (J)
4/16/2020	<0.0001	<0.0001	<0.0001	<0.0001		
4/18/2020					<0.0005	0.00027
10/7/2020	<0.0001	<0.0001	<0.0001	<0.0001		
10/8/2020						0.00038 (J)
10/9/2020					<0.0005	
3/29/2021	<0.0001	<0.0001	<0.0001	<0.0001 (D)		
3/31/2021					<0.0005	
4/1/2021						0.00022
9/2/2021	0.00015 (J)	<0.0001	<0.0001	<0.0001		
9/7/2021					<0.0005	0.00015 (J)
3/22/2022	<0.0001	<0.0001	<0.0001	<0.0001		
3/24/2022					<0.0005	<0.0005
9/7/2022	<0.0001	<0.0001	<0.0001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/8/2022				<0.0001		
9/12/2022					<0.0005	<0.0005
4/6/2023	<0.0001	<0.0001	<0.0001	<0.0001		
4/10/2023					<0.0005	
4/11/2023						<0.0005
9/1/2023	<0.0001	<0.0001	<0.0001	<0.0001		
9/6/2023					<0.0005	
9/7/2023						<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0001	<0.0001	
3/3/2016	0.00015 (J)	<0.0005			0.00023 (J)
5/2/2016				<0.0001	
5/3/2016			<0.0001		
5/4/2016	0.00021 (J)	<0.0005			0.00026 (J)
7/5/2016			<0.0001	<0.0001	
7/6/2016	0.00022 (J)				0.00032 (J)
7/7/2016		<0.0005			
9/6/2016			<0.0001	<0.0001	
9/7/2016	0.0001 (J)	<0.0005			0.00036 (J)
11/7/2016		<0.0005	<0.0001	<0.0001	
11/8/2016	0.00014 (J)				0.00032 (J)
1/9/2017			<0.0001	<0.0001	
1/10/2017	0.00018 (J)	<0.0005			0.00033 (J)
3/13/2017			<0.0001	<0.0001	
3/15/2017	<0.0005	<0.0005			
3/16/2017					0.00029 (J)
5/15/2017			<0.0001	<0.0001	
5/16/2017	9.5E-05 (J)	<0.0005			0.00027 (J)
3/12/2018			<0.0001	<0.0001	
3/13/2018	0.00017 (J)	<0.0005			0.00028 (J)
6/6/2018			<0.0001	<0.0001	
6/7/2018	0.00017 (J)	<0.0005			0.00026 (J)
10/17/2018	0.00011 (J)	<0.0005	<0.0001	<0.0001	0.00022 (J)
2/27/2019			<0.0001	<0.0001	0.00022 (J)
2/28/2019	0.00016 (J)	<0.0005			
5/31/2019	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005
11/6/2019			<0.0001	<0.0001	
11/11/2019	0.00029 (J)	<0.0005			0.00023 (J)
4/16/2020			<0.0001	<0.0001	
4/18/2020	0.00026	<0.0005			0.00016
10/7/2020			<0.0001	<0.0001	
10/8/2020					0.00031 (J)
10/9/2020	0.00015 (J)	<0.0005			
3/29/2021			<0.0001	<0.0001	
4/1/2021	<0.0005	<0.0005			0.00019
9/2/2021			<0.0001	<0.0001	
9/7/2021	0.00015 (J)	<0.0005			0.00016 (J)
3/22/2022			<0.0001	<0.0001	
3/24/2022	<0.0005	<0.0005			<0.0005
9/8/2022			<0.0001	<0.0001	
9/12/2022	<0.0005				<0.0005
9/16/2022		<0.0005			
4/6/2023				<0.0001	
4/7/2023			<0.0001		
4/10/2023	<0.0005	<0.0005			
4/11/2023					<0.0005
9/1/2023			<0.0001	<0.0001	
9/6/2023	<0.0005	<0.0005			
9/7/2023					<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	20	20	<5	12		
3/3/2016					18	420
5/2/2016	<5		<5	6		
5/4/2016		6			28	450
7/5/2016	12		14	<5		
7/6/2016						280
7/7/2016					<5	
7/8/2016		6				
9/6/2016	36	36	30	38		
9/7/2016					8	
9/8/2016						410
11/7/2016	18		8	<5		
11/8/2016					24	580
11/10/2016		16				
1/9/2017	4 (J)		<5	14		
1/10/2017					30	530
1/11/2017		38				
3/13/2017	6		<5	8		
3/14/2017		<5				
3/15/2017					32	
3/16/2017						650
5/15/2017	<5		<5	<5		500
5/16/2017					<5	
5/18/2017		10				
10/2/2017	<5		<5	6		
10/3/2017					34	310
10/5/2017		<5				
12/20/2017						150
3/12/2018	18		14	<5		
3/13/2018					26	450
3/14/2018		8				
6/5/2018	10		<5	14		
6/6/2018					64	
6/7/2018						620
6/10/2018		8				
10/16/2018	32		12	6		
10/17/2018						700
10/18/2018		28			12	
2/27/2019	110	68	54	110		
2/28/2019					20	330
5/31/2019	46	<5	8	26	36	300
11/6/2019	<5	10	4 (J)	<5		
11/11/2019					66	390
4/16/2020	28	44	18	8		
4/18/2020					62	520
10/7/2020	30	24	20	26		
10/8/2020						850
10/9/2020					52	
3/29/2021	38	26	12	28		
3/31/2021					48	
4/1/2021						600
9/2/2021	40	8	10	8		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
9/7/2021					54	360
3/22/2022	58	14	18	46		
3/24/2022					16	440
9/7/2022	36	14	22			
9/8/2022				44		
9/12/2022					22	460
4/6/2023	34	24	22	14		
4/10/2023					24	
4/11/2023						440
9/1/2023	36	18	16	32		
9/6/2023					22	
9/7/2023						400

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			10	<5	
3/3/2016	1100	18			490
5/2/2016				36	
5/3/2016			<5		
5/4/2016	1200	38			690
7/5/2016			<5	<5	
7/6/2016	870				500
7/7/2016		<5			
9/6/2016			36	44	
9/7/2016	650	14			590
11/7/2016		32	<5	30	
11/8/2016	1100				530
1/9/2017			<5	12	
1/10/2017	1300	32			510
3/13/2017			22	20	
3/15/2017	500	20			
3/16/2017					420
5/15/2017			6	4 (J)	
5/16/2017	850	18			430
10/2/2017			16	24	
10/3/2017	760	36			320
12/20/2017	830				410
3/12/2018			<5	<5	
3/13/2018	880	12			590
6/6/2018			20	16	
6/7/2018	670	<5			530
10/17/2018	770	68	44	44	390
2/27/2019			20	28	420
2/28/2019	880	28			
5/31/2019	1200	50	32	18	620
11/6/2019			24	20	
11/11/2019	370	38			410
4/16/2020			6	8	
4/18/2020	1000	36			280
10/7/2020			16	12	
10/8/2020					380
10/9/2020	580	42			
3/29/2021			42	40	
4/1/2021	1200	52			560
9/2/2021			10	<5	
9/7/2021	1000	24			450
3/22/2022			84	22	
3/24/2022	1400	62			470
9/8/2022			24	48	
9/12/2022	930				370
9/16/2022		770			
4/6/2023				16	
4/7/2023			24		
4/10/2023	1400	150			
4/11/2023					480
9/1/2023			16	22	
9/6/2023	540	340			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/29/2023 7:56 PM View: 300 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

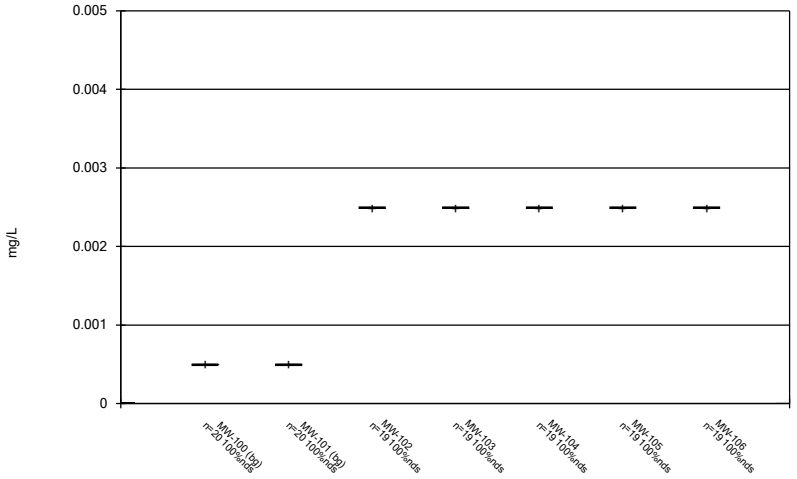
	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
9/7/2023					380

Box Plots - 100, 200 & 300 Series

100 Series

Sanitas™ v.10.0.13 . UG

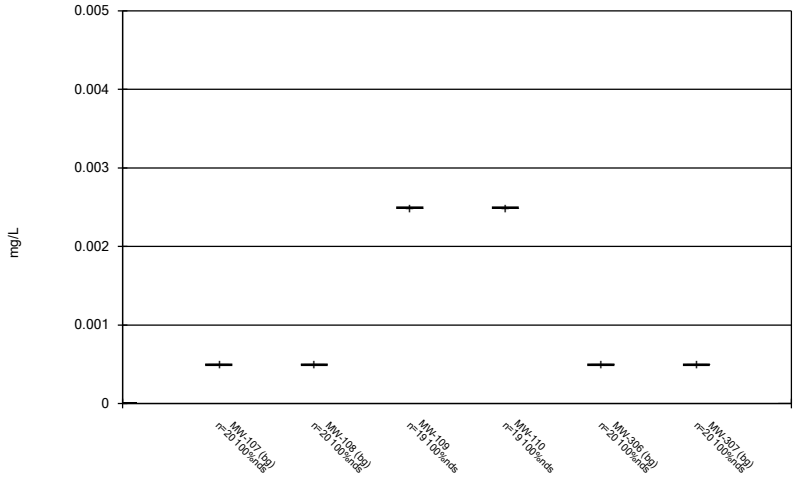
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

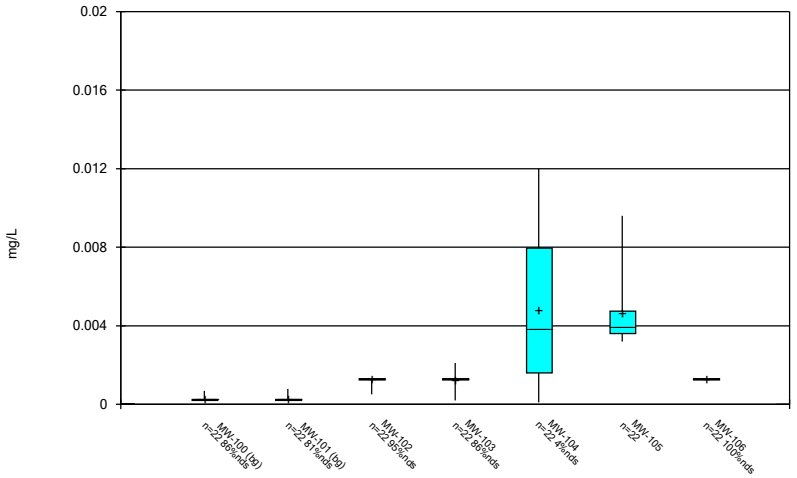
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

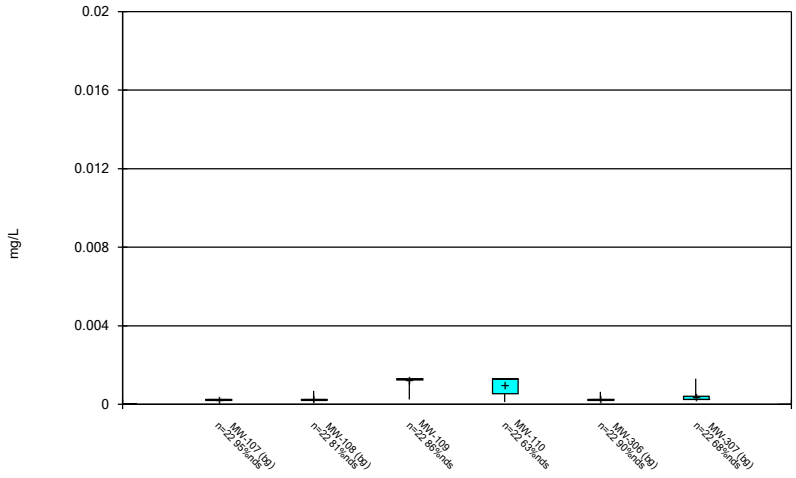
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

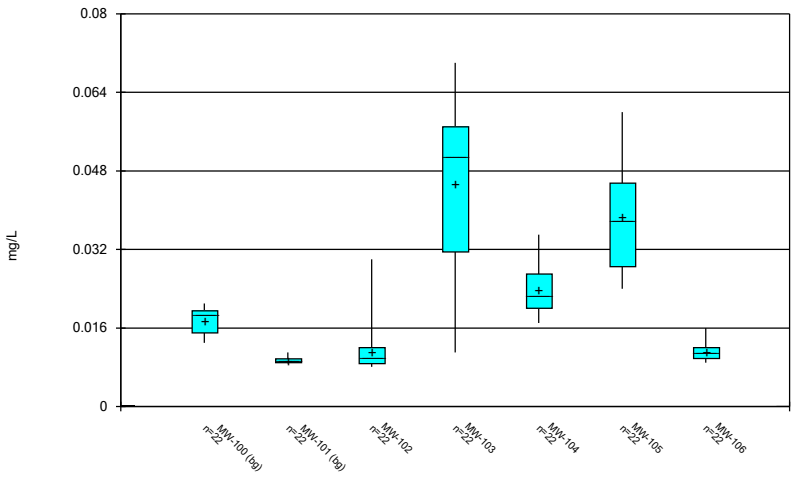
Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

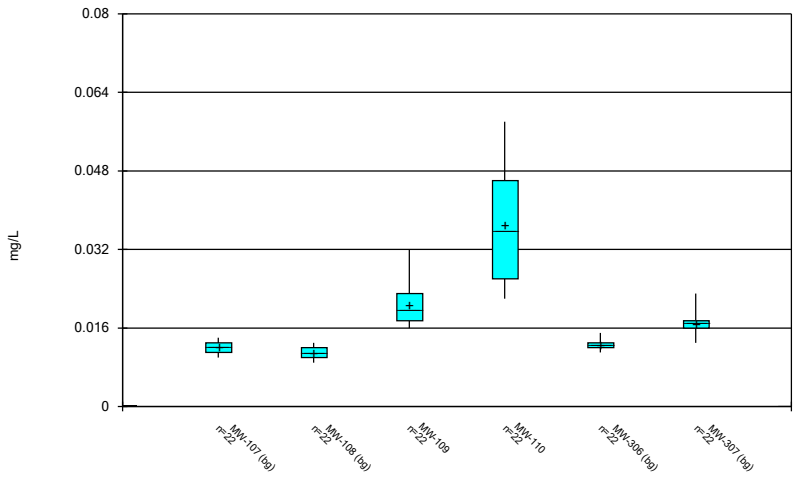
Box & Whiskers Plot



Constituent: Barium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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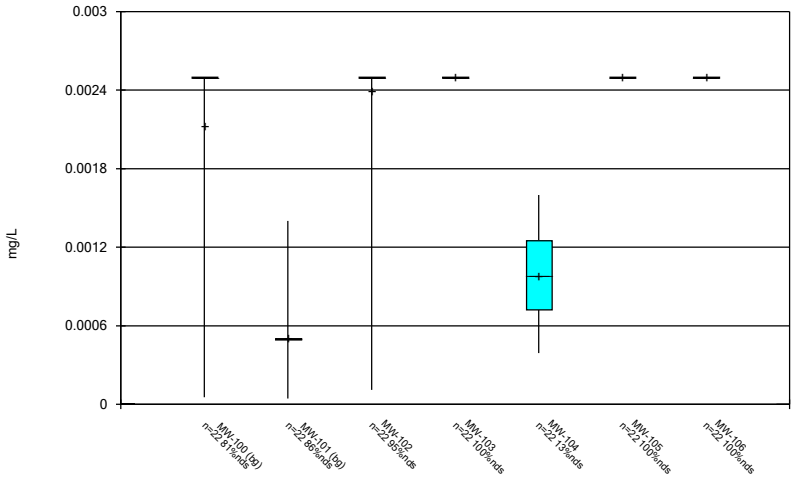
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

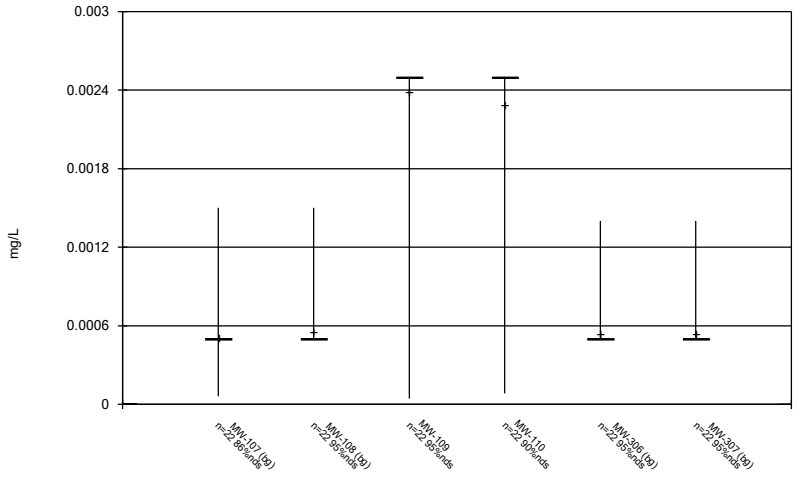
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

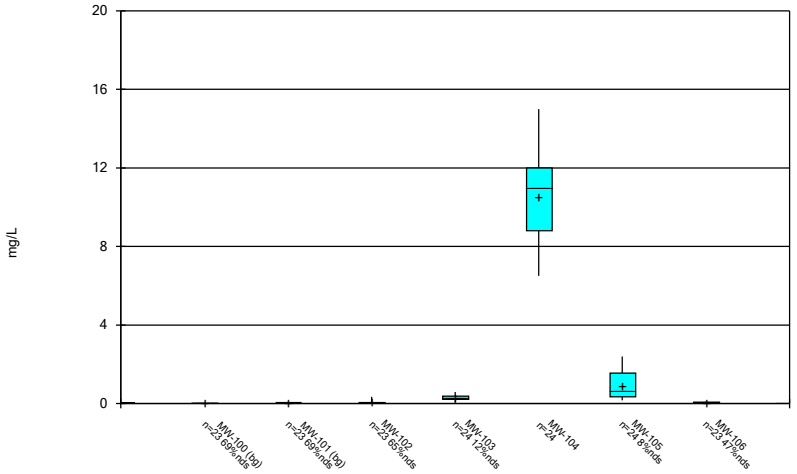
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

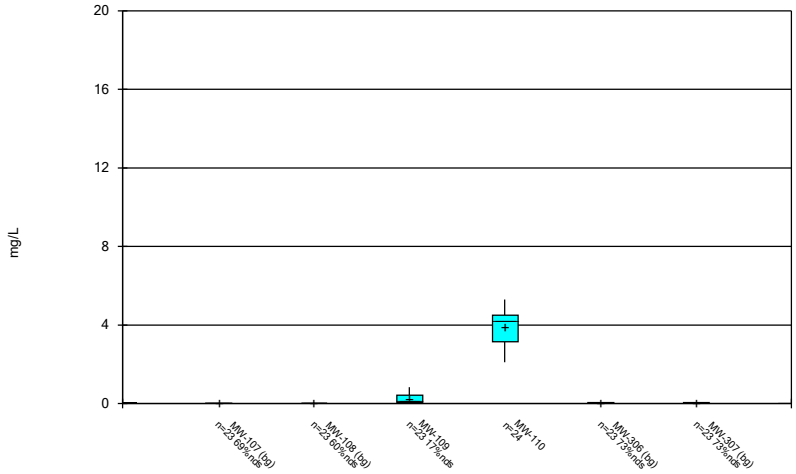
Box & Whiskers Plot



Constituent: Boron Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

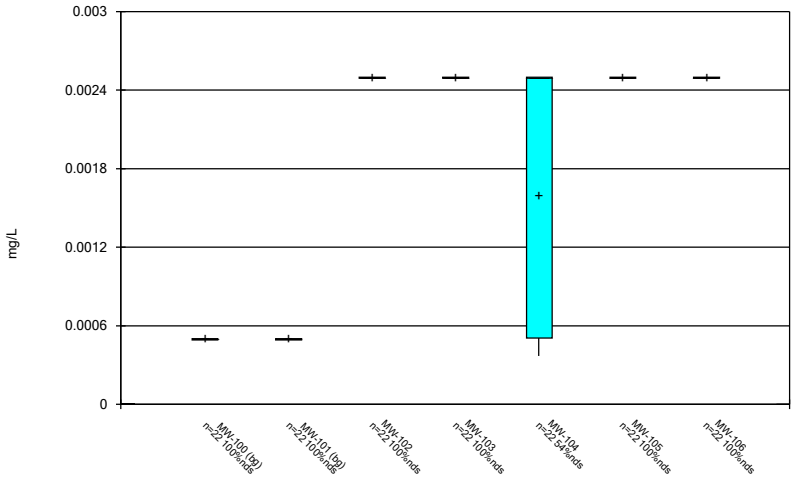
Box & Whiskers Plot



Constituent: Boron Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

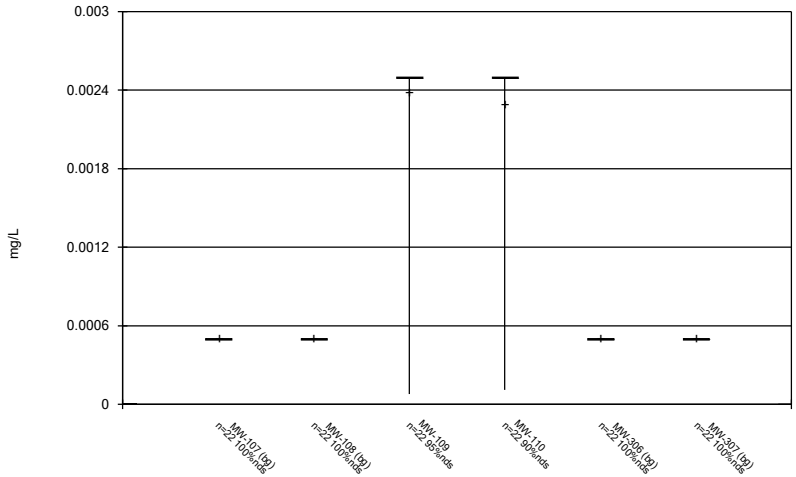
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

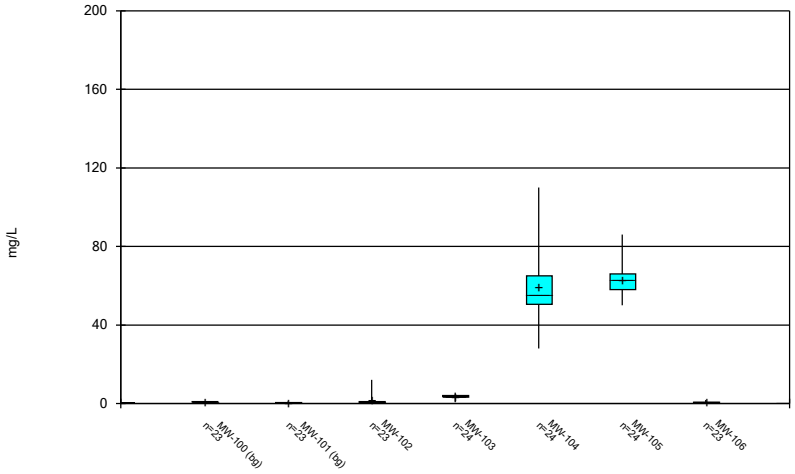
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

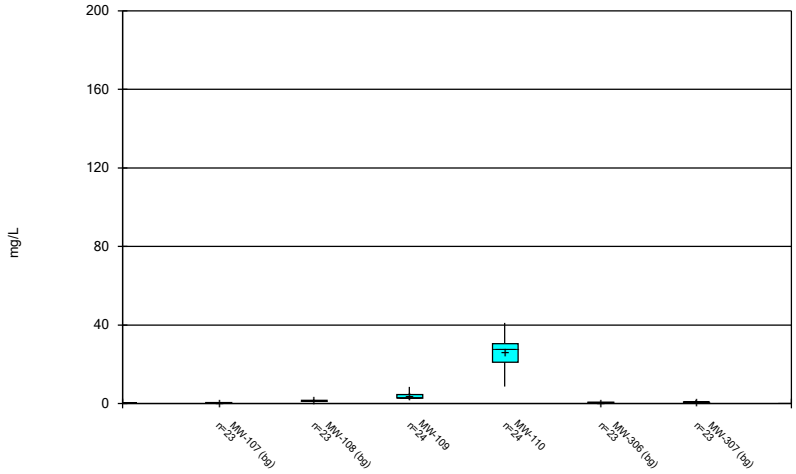
Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

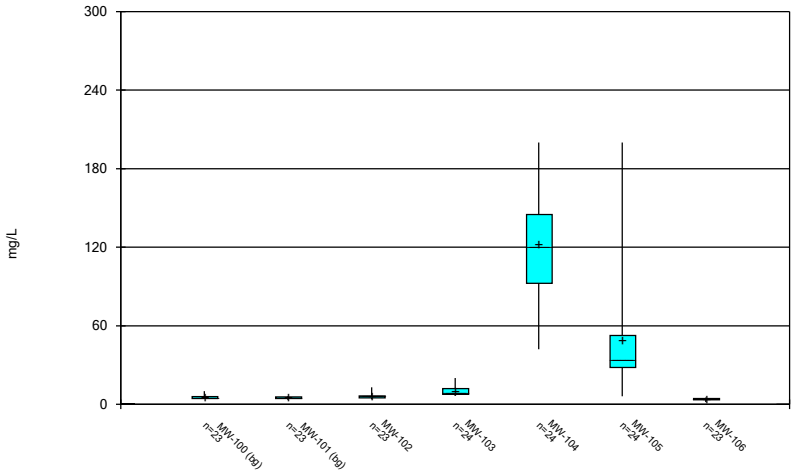
Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

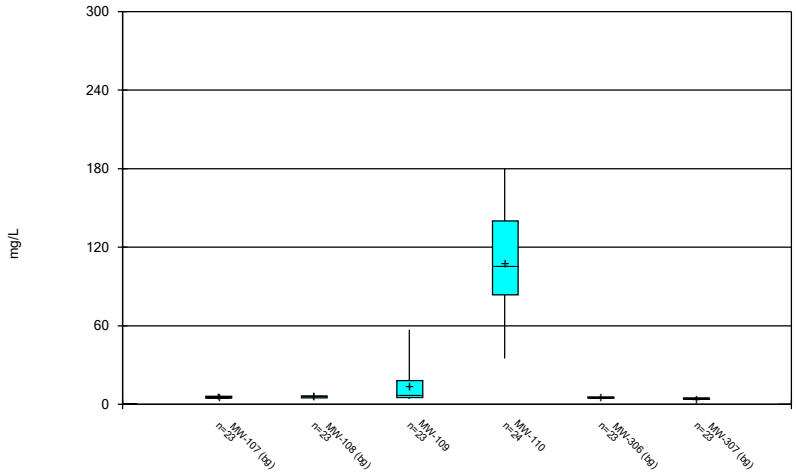
Box & Whiskers Plot



Constituent: Chloride Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

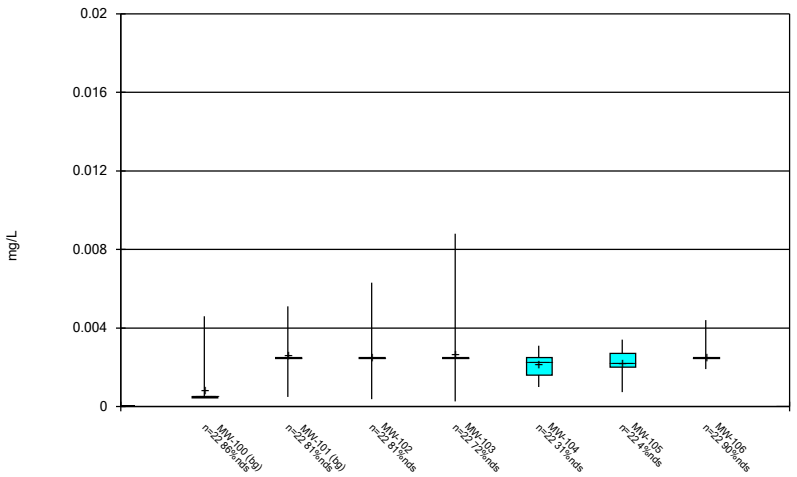
Box & Whiskers Plot



Constituent: Chloride Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

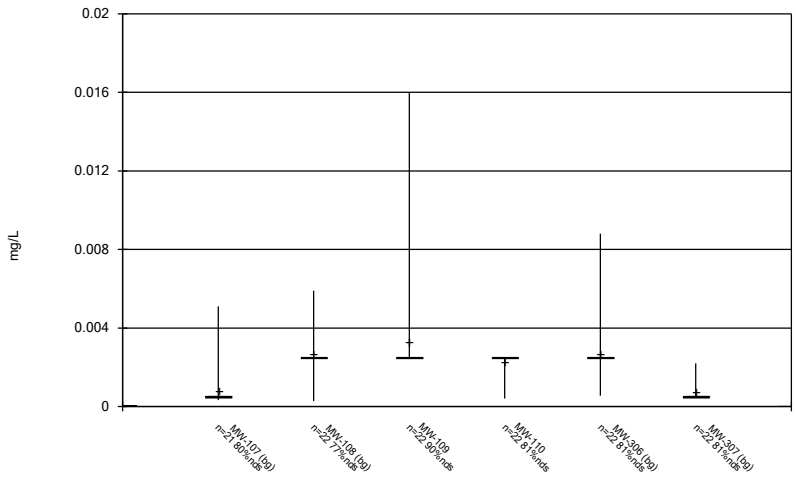
Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

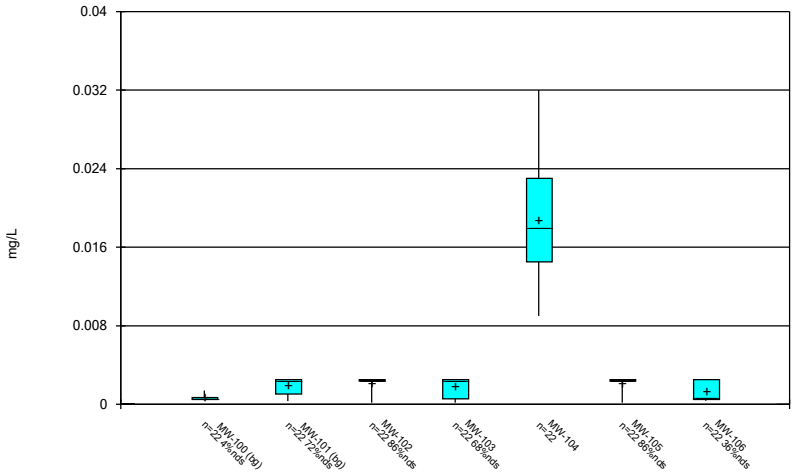
Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

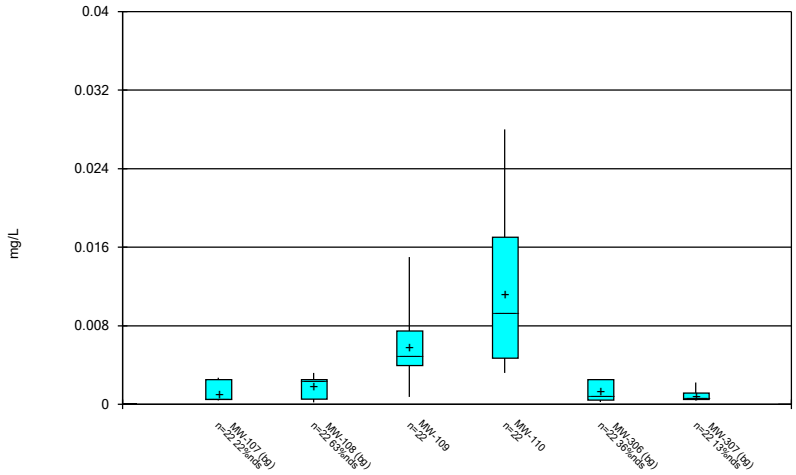
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

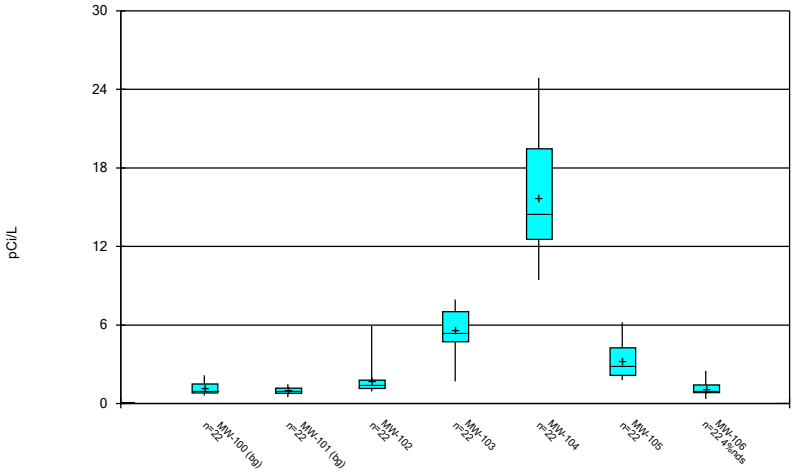
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

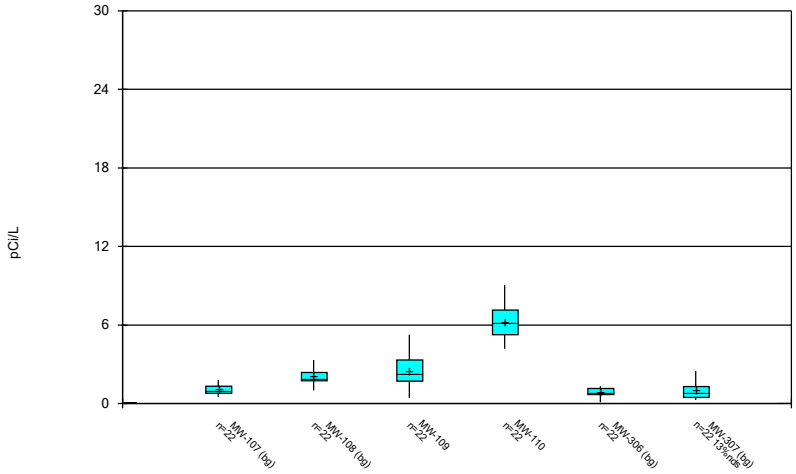
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

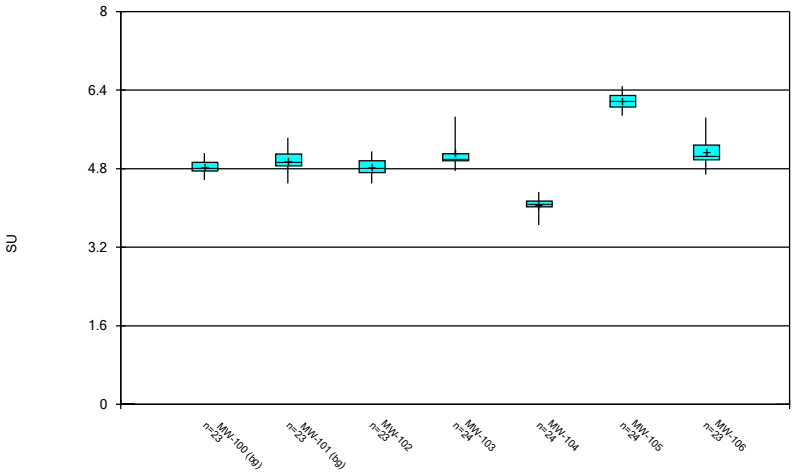
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

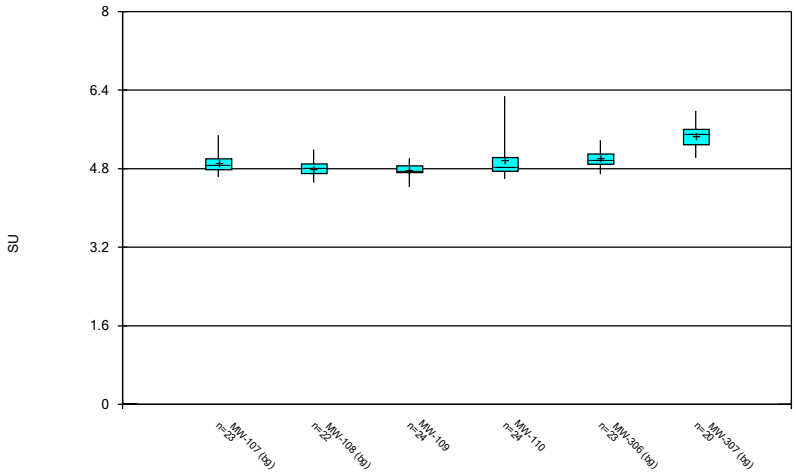
Box & Whiskers Plot



Constituent: Field pH Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

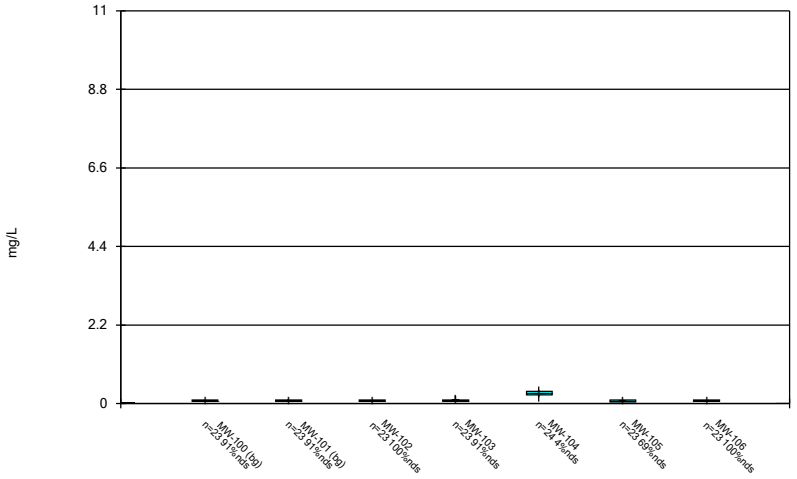
Box & Whiskers Plot



Constituent: Field pH Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

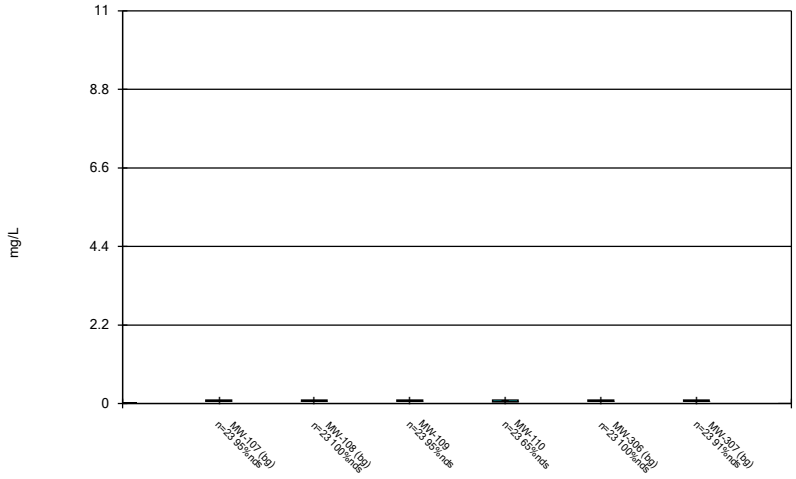
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

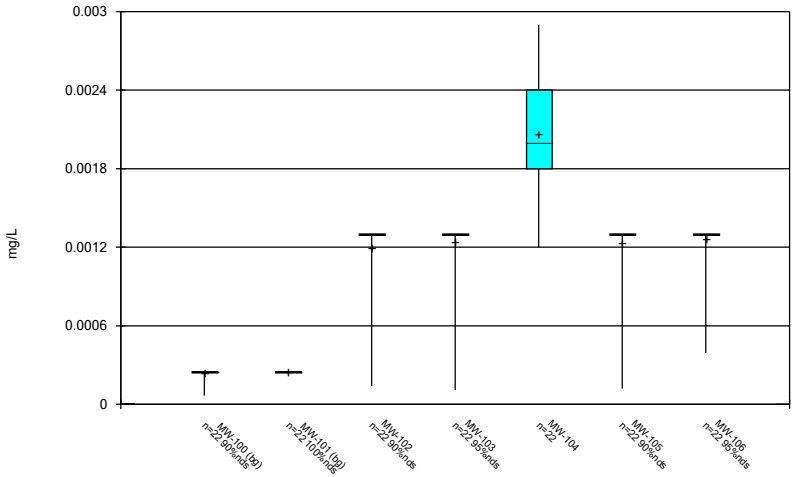
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

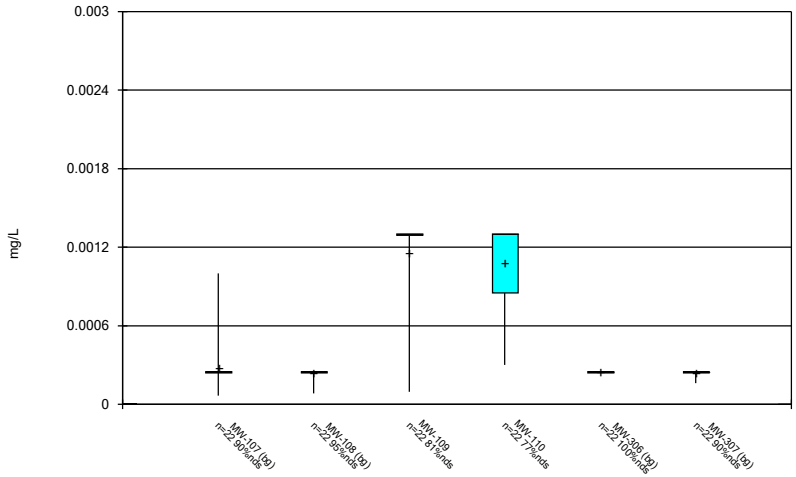
Box & Whiskers Plot



Constituent: Lead Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

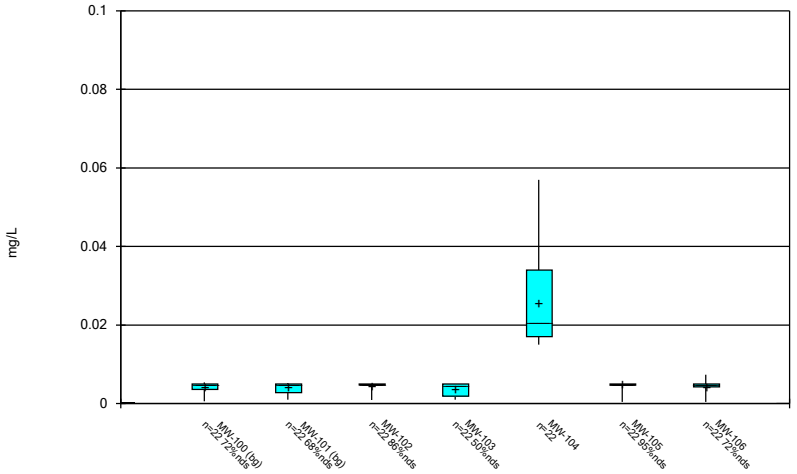
Box & Whiskers Plot



Constituent: Lead Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

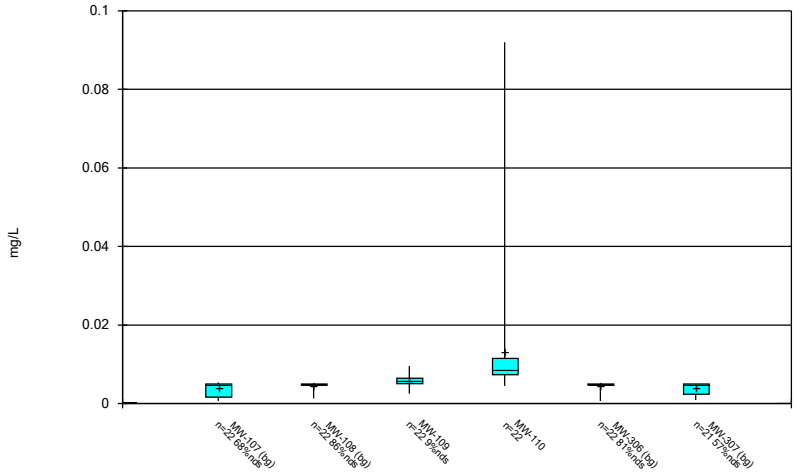
Box & Whiskers Plot



Constituent: Lithium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

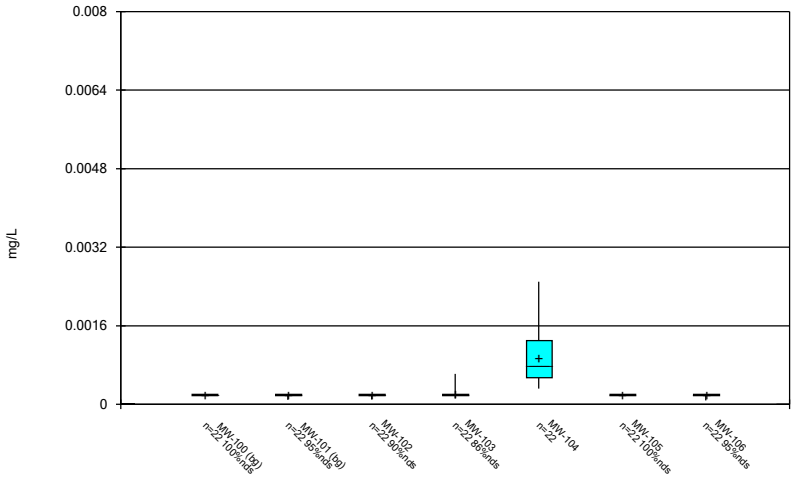
Box & Whiskers Plot



Constituent: Lithium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

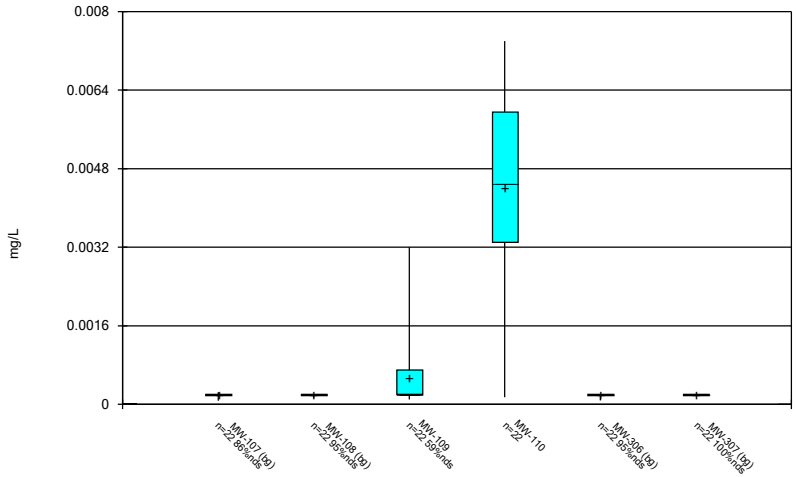
Box & Whiskers Plot



Constituent: Mercury Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

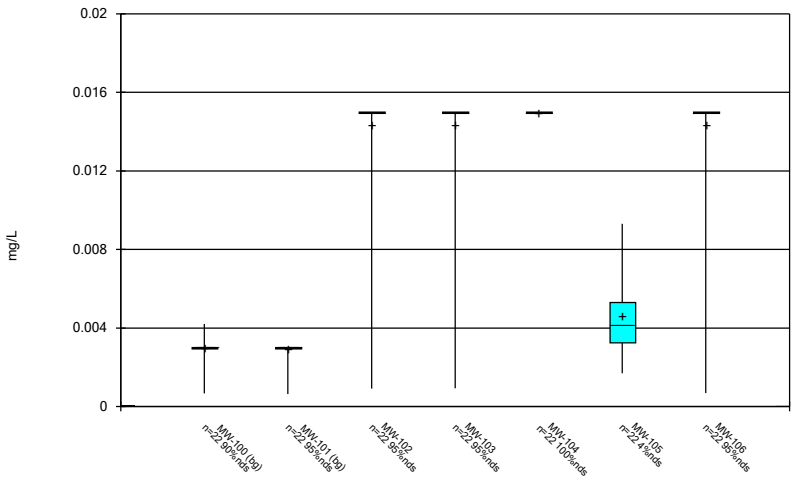
Box & Whiskers Plot



Constituent: Mercury Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

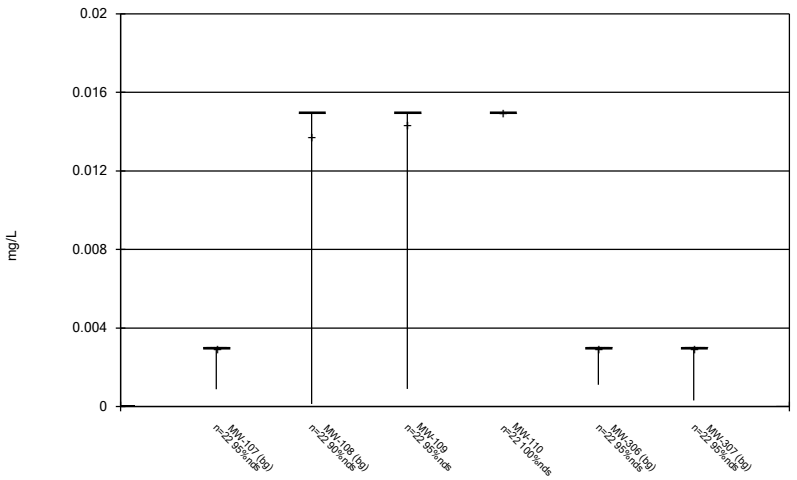
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

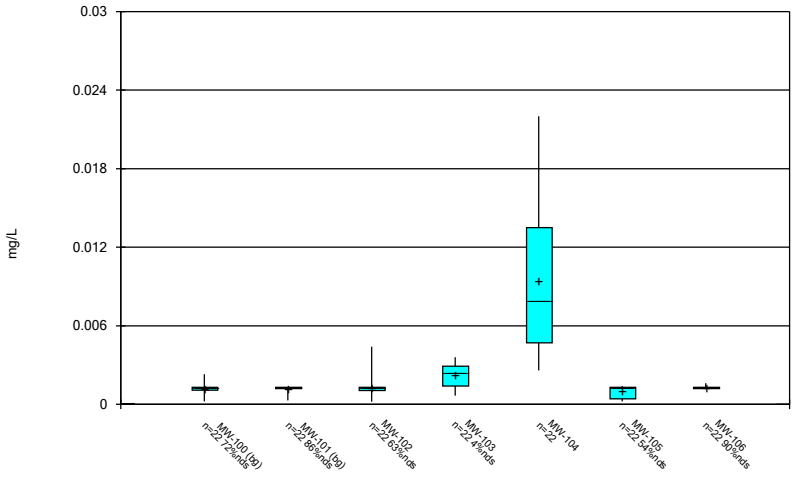
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

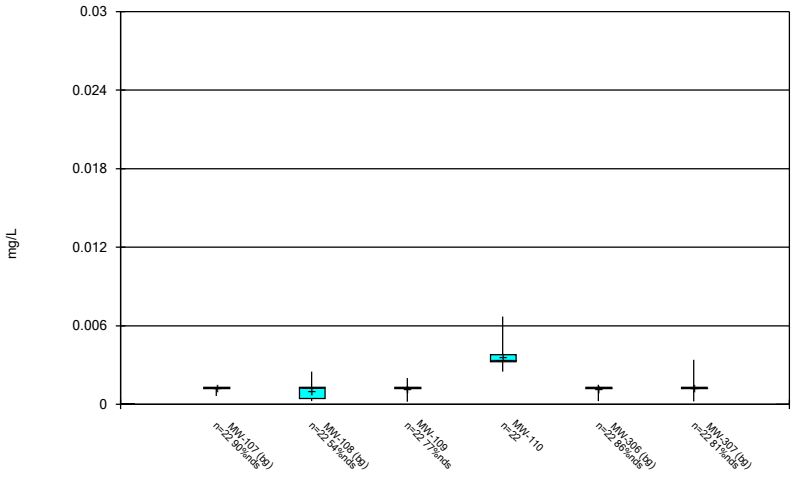
Box & Whiskers Plot



Constituent: Selenium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

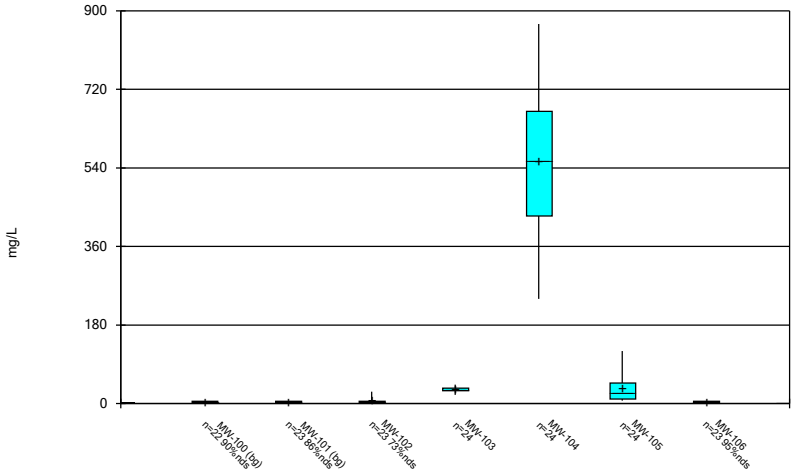
Box & Whiskers Plot



Constituent: Selenium Analysis Run 11/29/2023 5:03 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

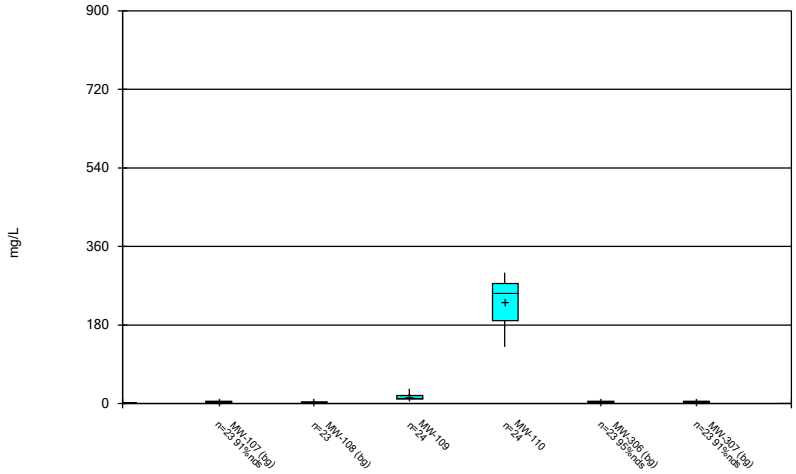
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

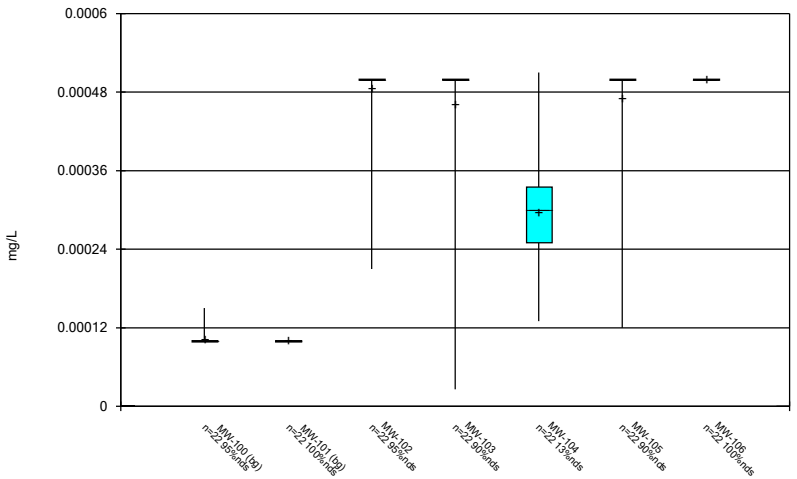
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

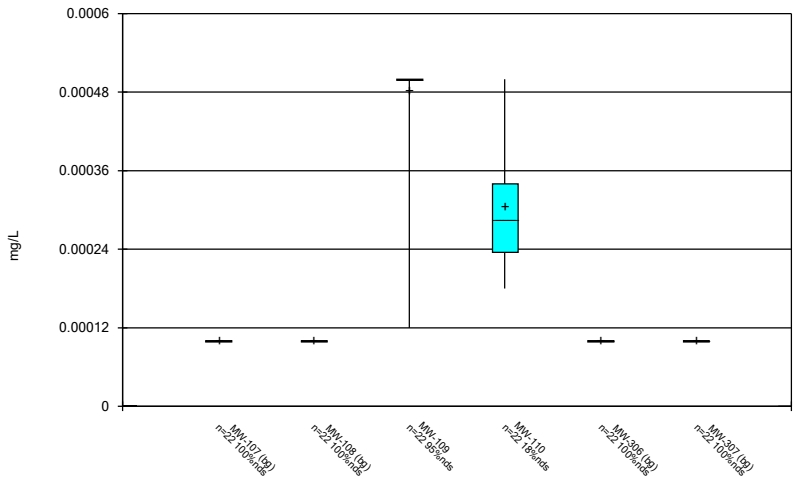
Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

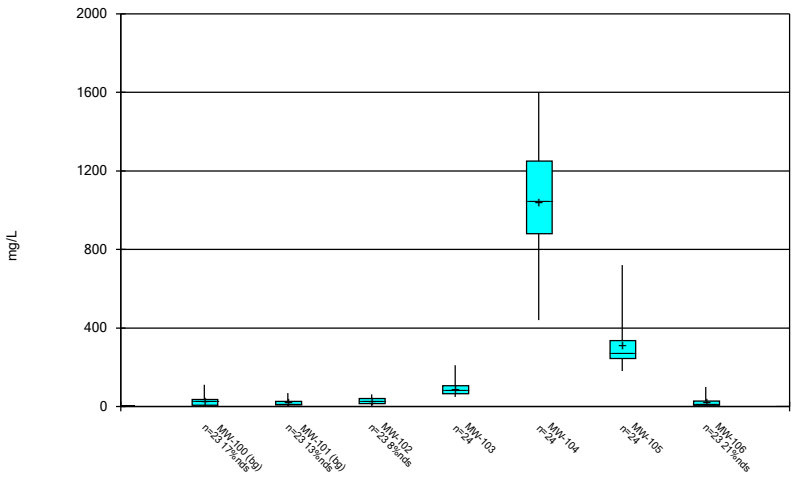
Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

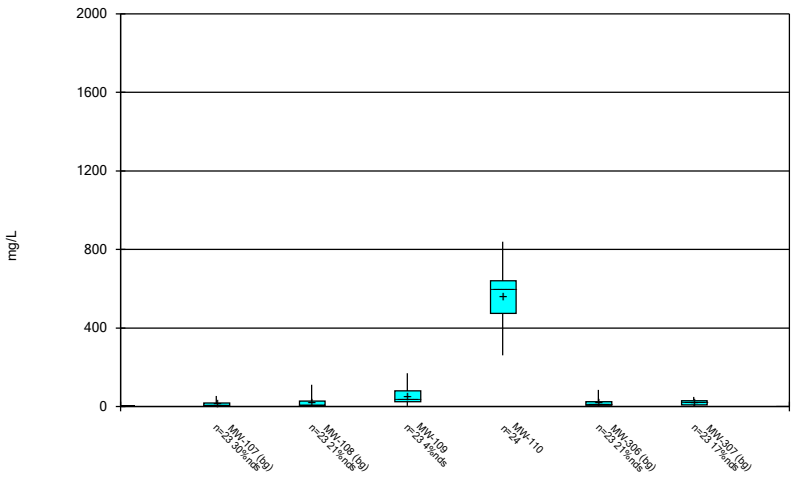
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot

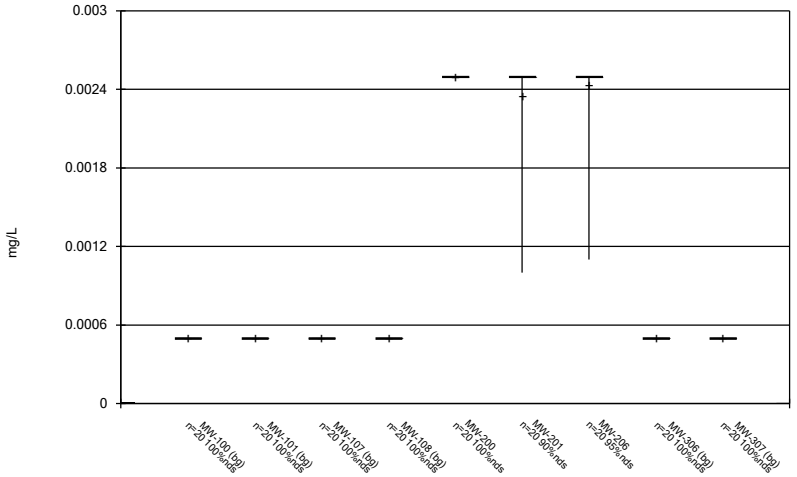


Constituent: Total Dissolved Solids Analysis Run 11/29/2023 5:04 PM View: 100 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

200 Series

Sanitas™ v.10.0.13 . UG

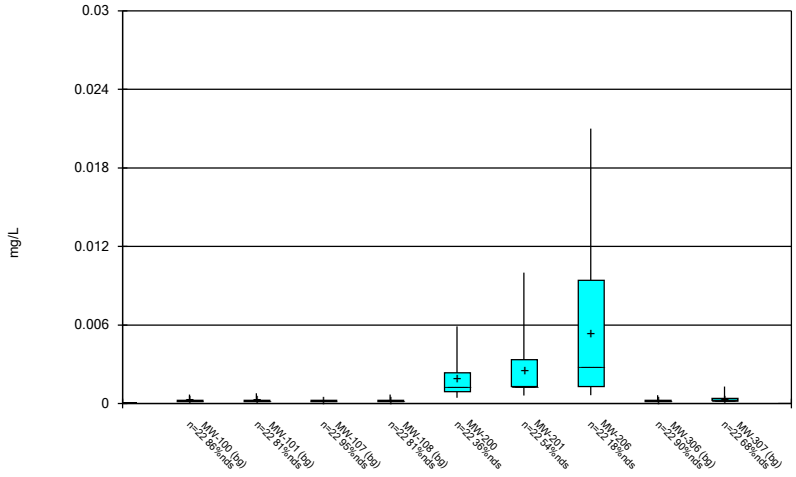
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

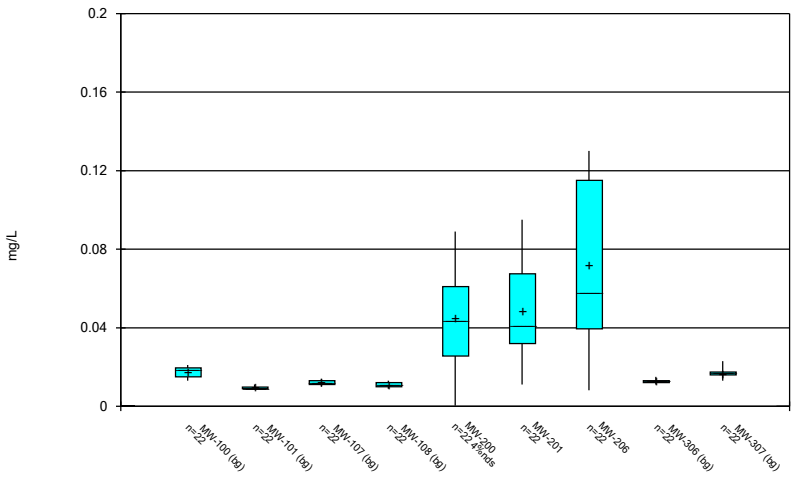
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

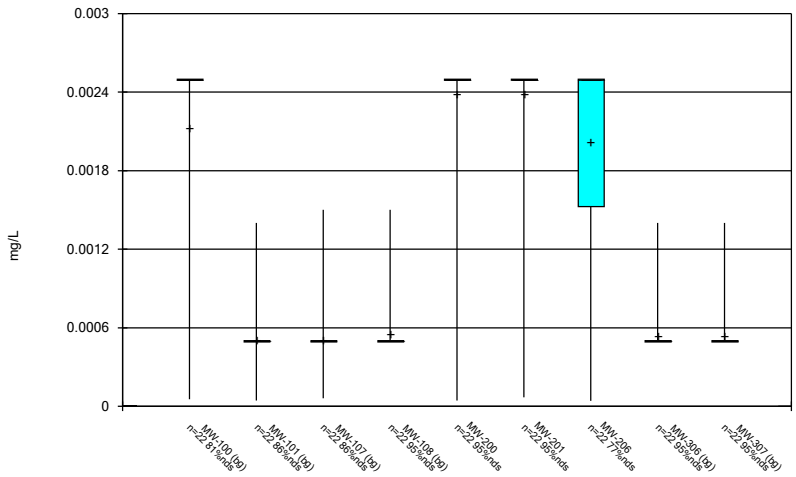
Box & Whiskers Plot



Constituent: Barium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

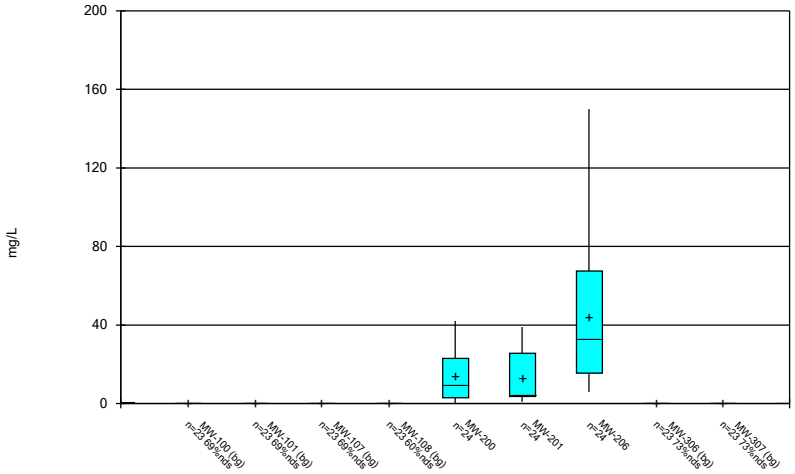
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

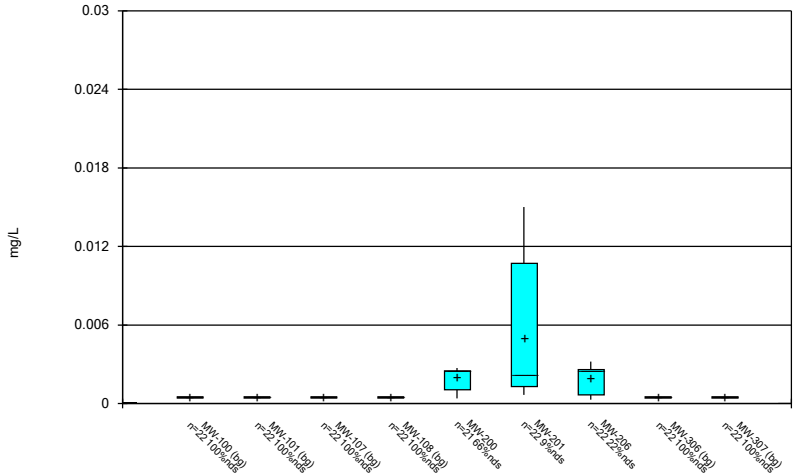
Box & Whiskers Plot



Constituent: Boron Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

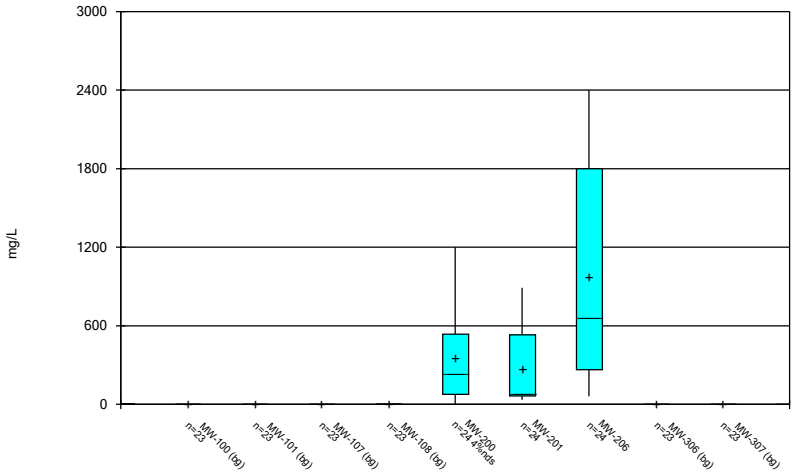
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

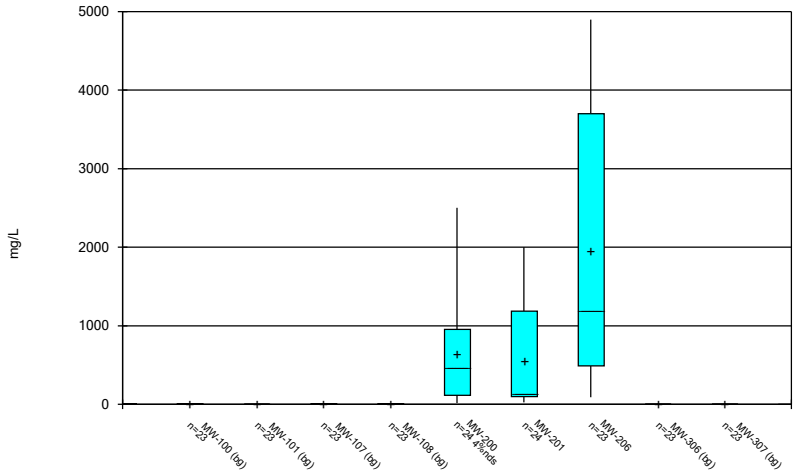
Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

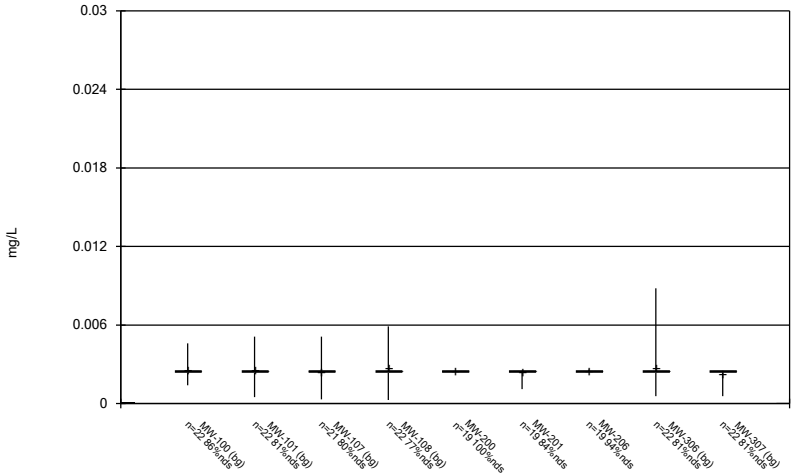
Box & Whiskers Plot



Constituent: Chloride Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

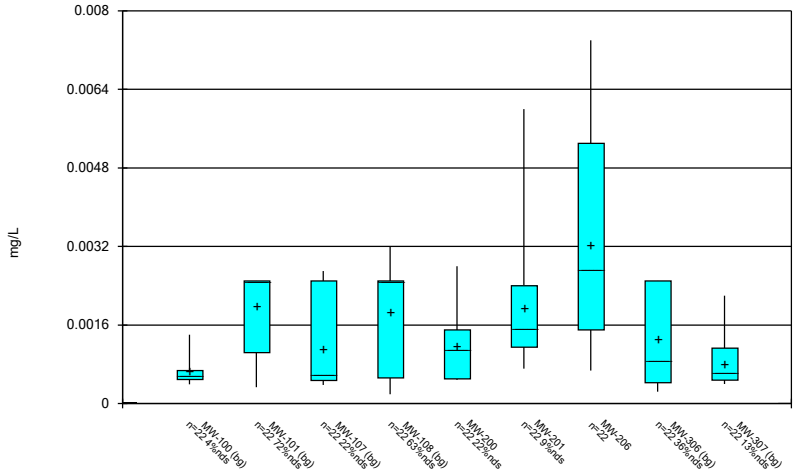
Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

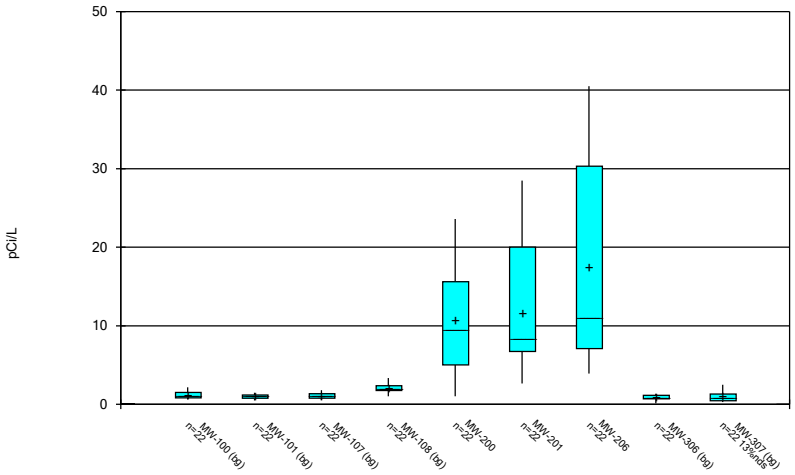
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

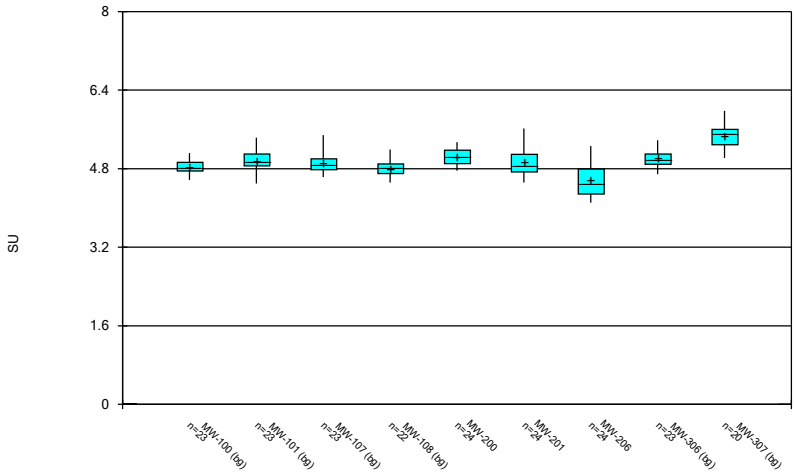
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

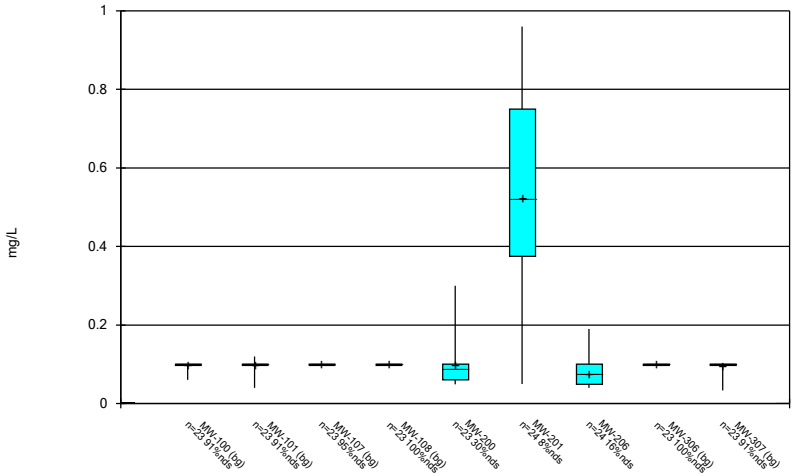
Box & Whiskers Plot



Constituent: Field pH Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

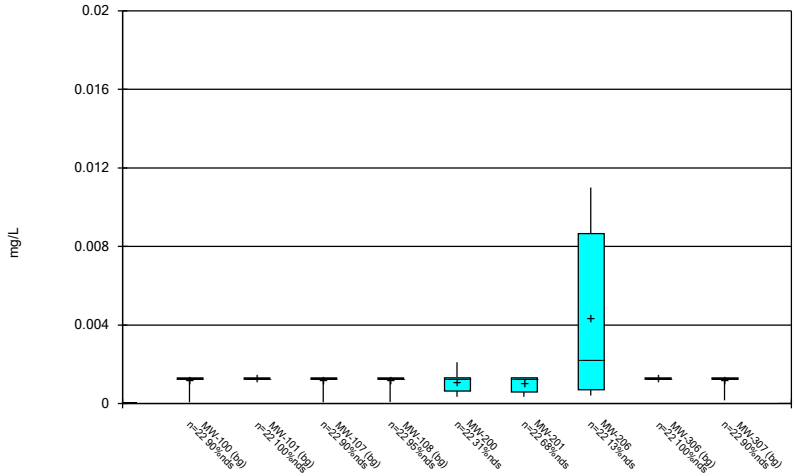
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

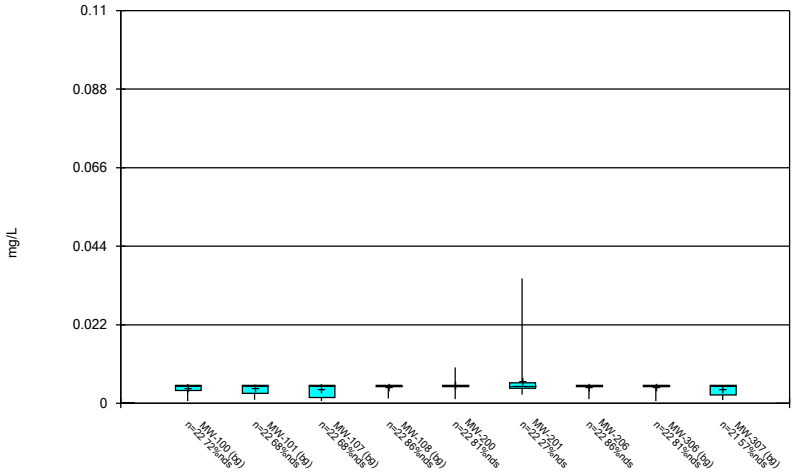
Box & Whiskers Plot



Constituent: Lead Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

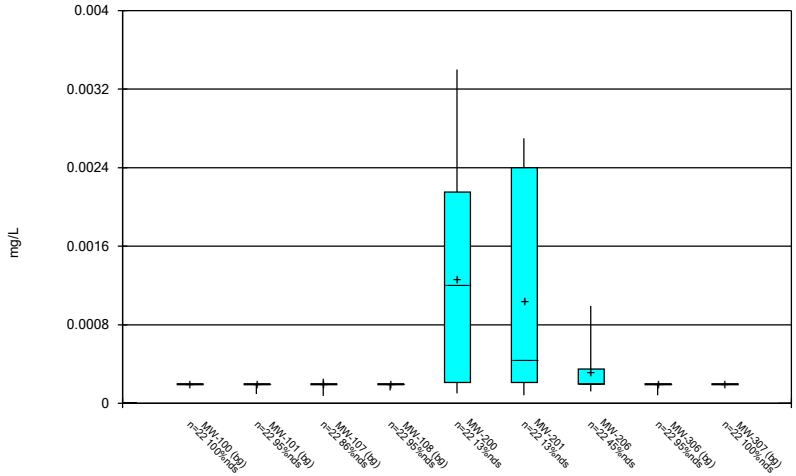
Box & Whiskers Plot



Constituent: Lithium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

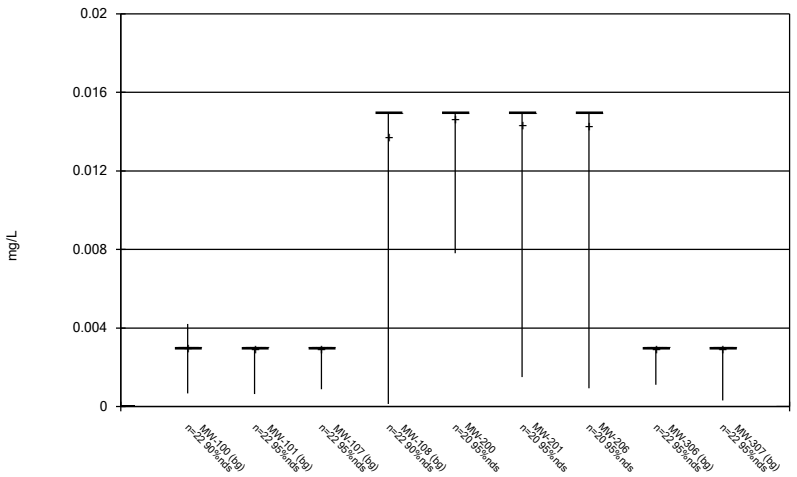
Box & Whiskers Plot



Constituent: Mercury Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

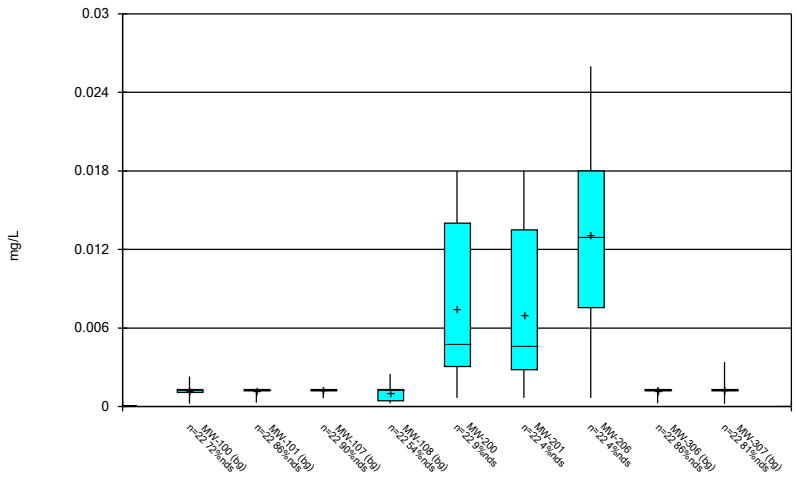
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

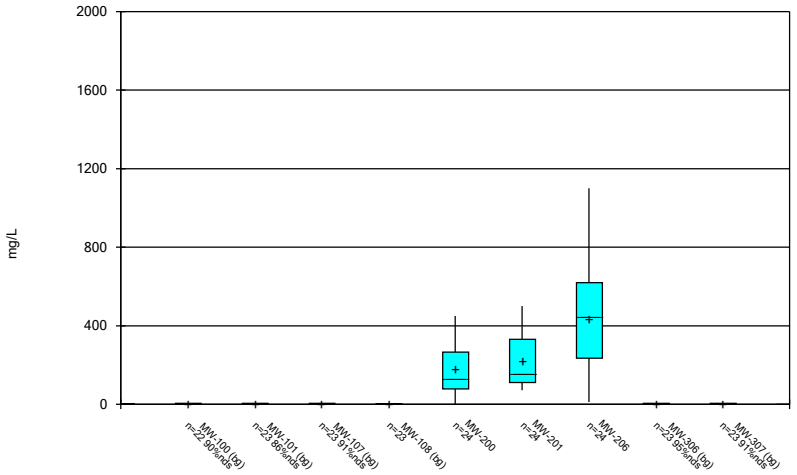
Box & Whiskers Plot



Constituent: Selenium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

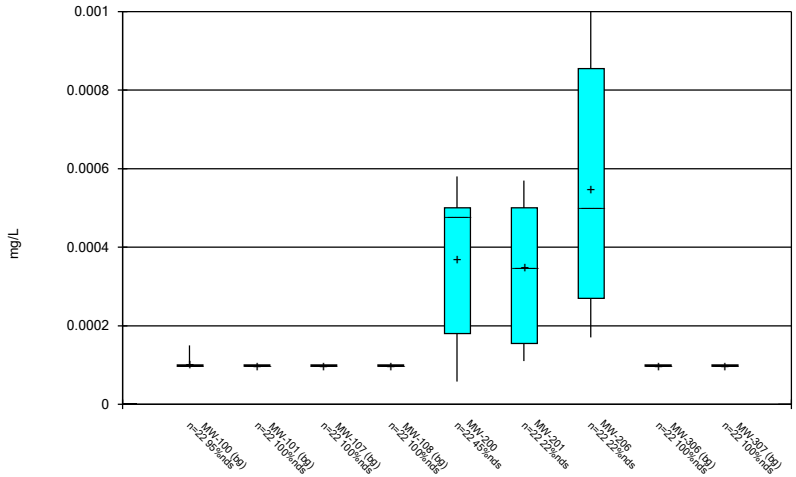
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

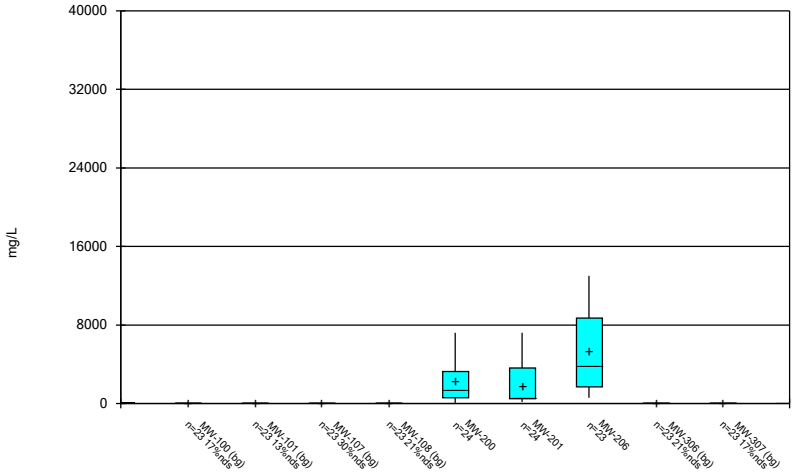
Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/30/2023 2:47 PM View: 200 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Box & Whiskers Plot



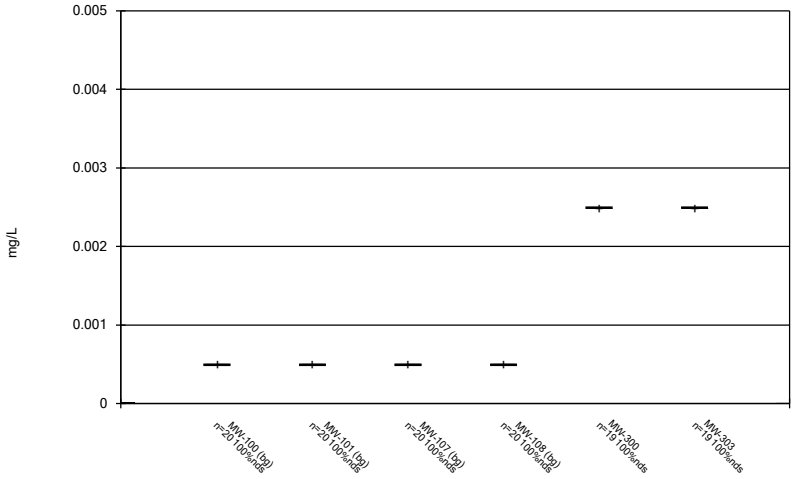
Constituent: Total Dissolved Solids Analysis Run 11/30/2023 2:47 PM View: 200 Series

Gulf Clean Energy Center Data: Gulf Clean Energy Plant

300 Series

Sanitas™ v.10.0.13 . UG

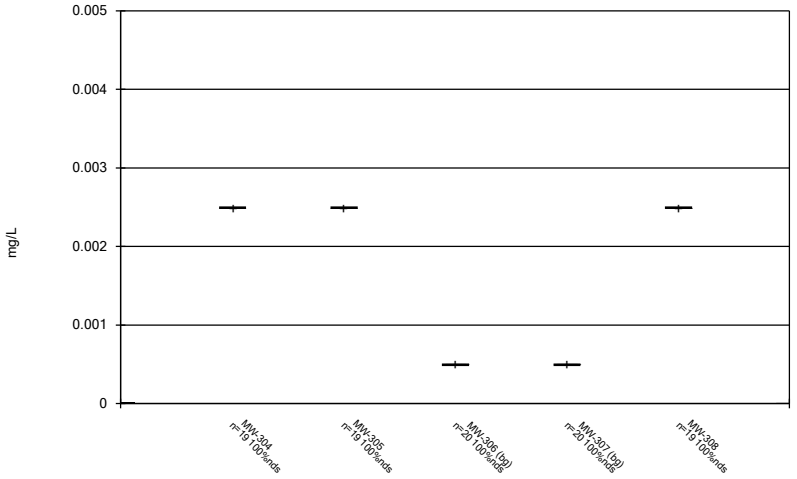
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/29/2023 7:57 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

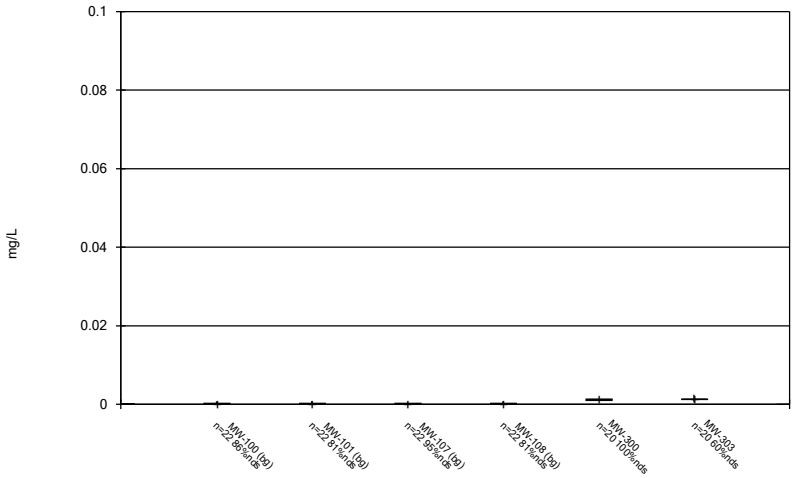
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/29/2023 7:57 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

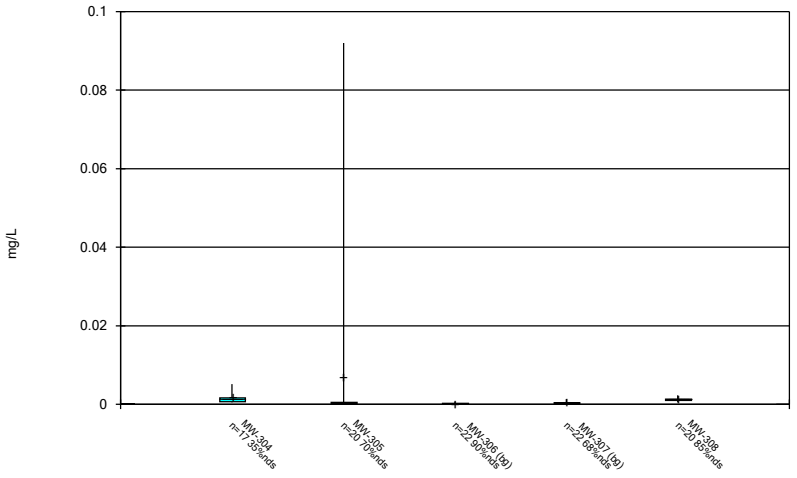
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 11/29/2023 7:57 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

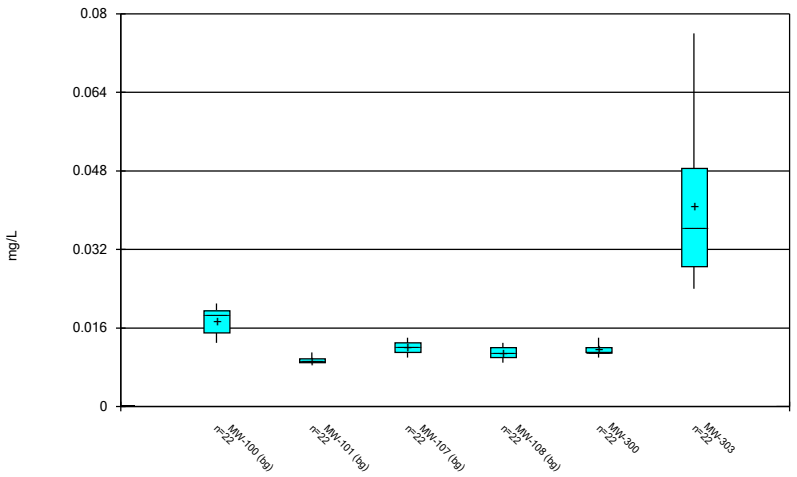
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 11/29/2023 7:57 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

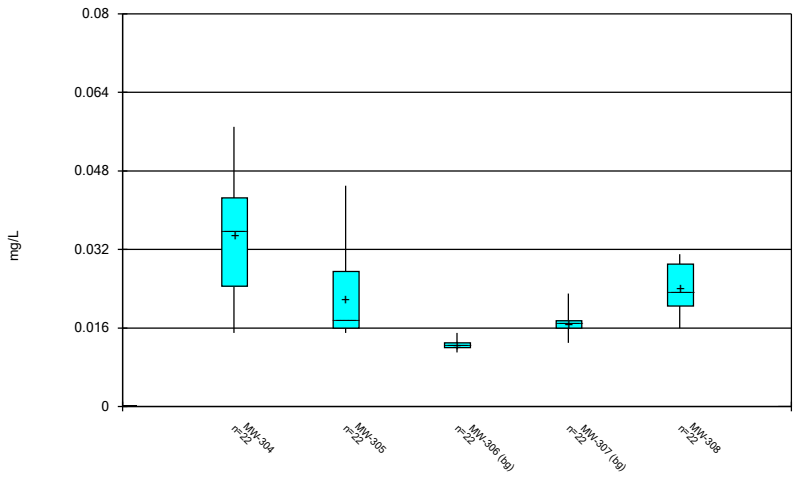
Box & Whiskers Plot



Constituent: Barium Analysis Run 11/29/2023 7:57 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

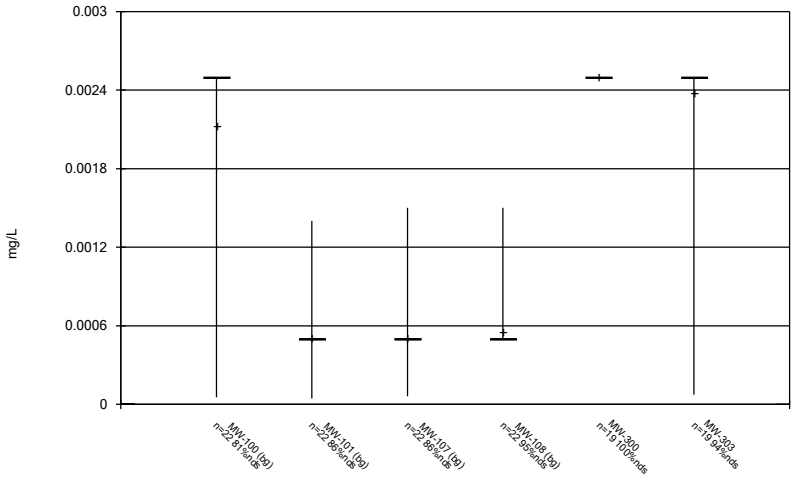
Box & Whiskers Plot



Constituent: Barium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

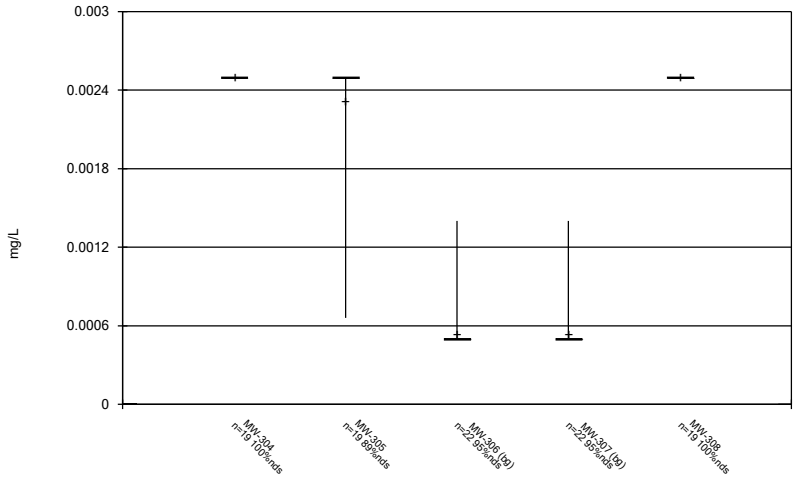
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

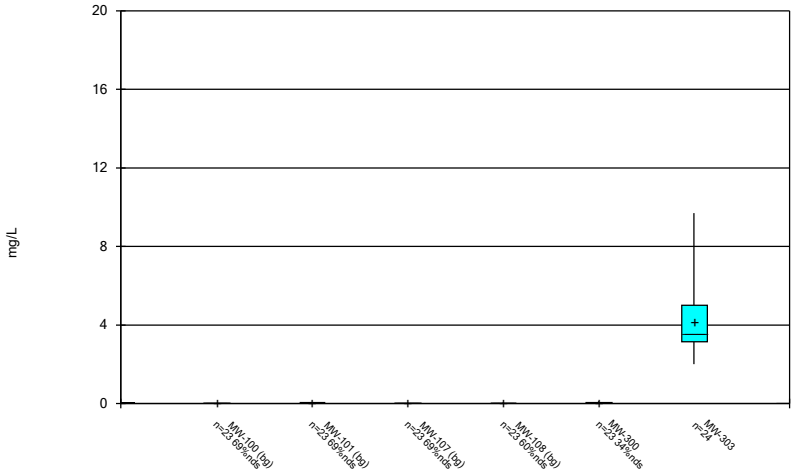
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

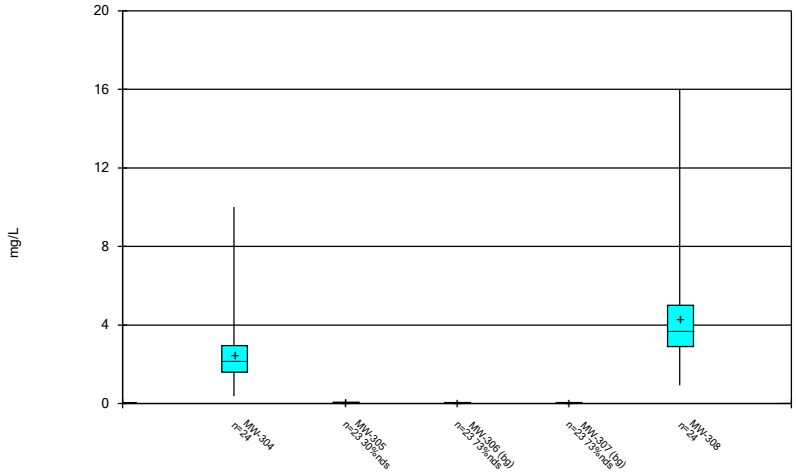
Box & Whiskers Plot



Constituent: Boron Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

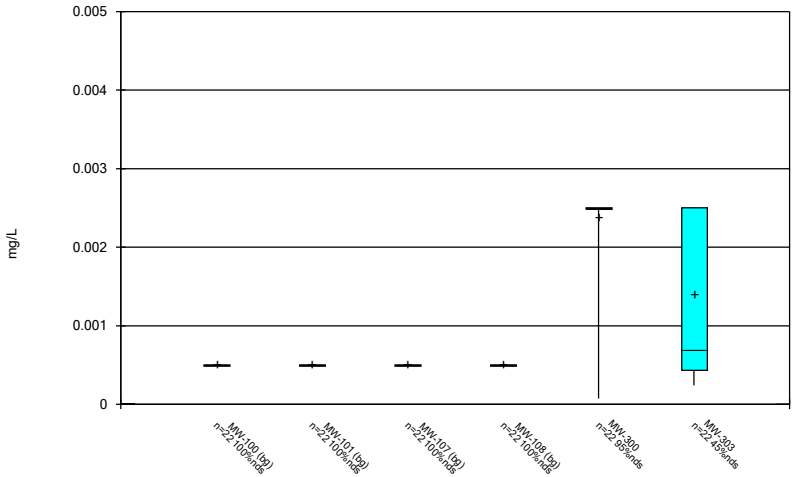
Box & Whiskers Plot



Constituent: Boron Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

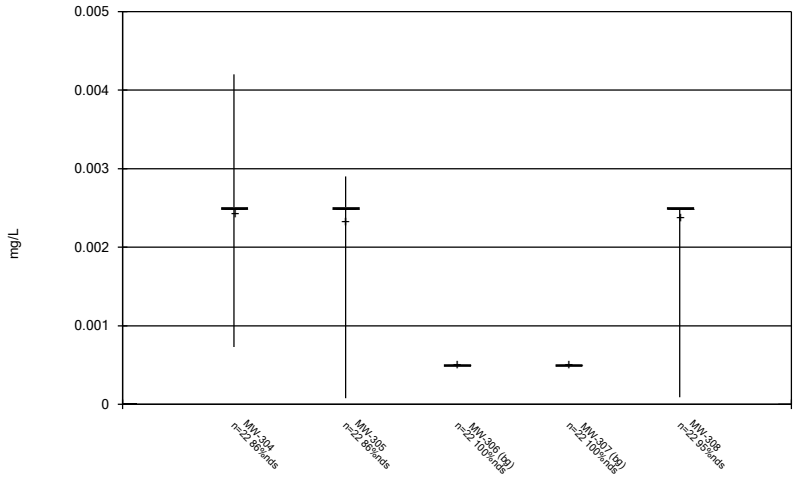
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

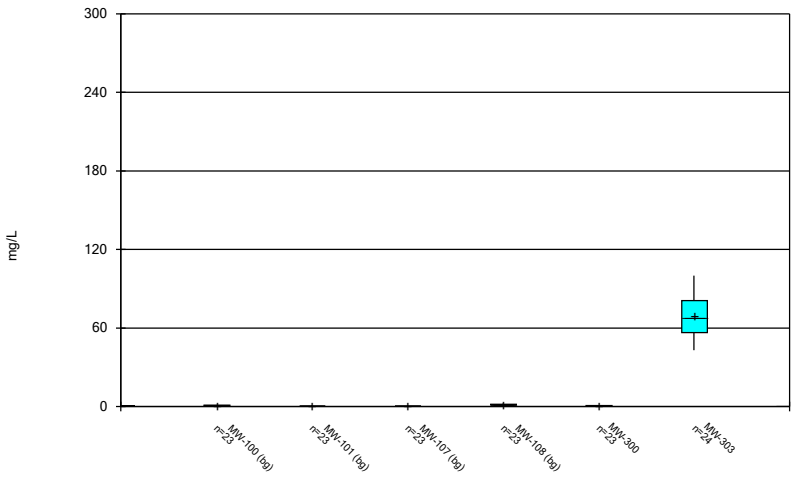
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

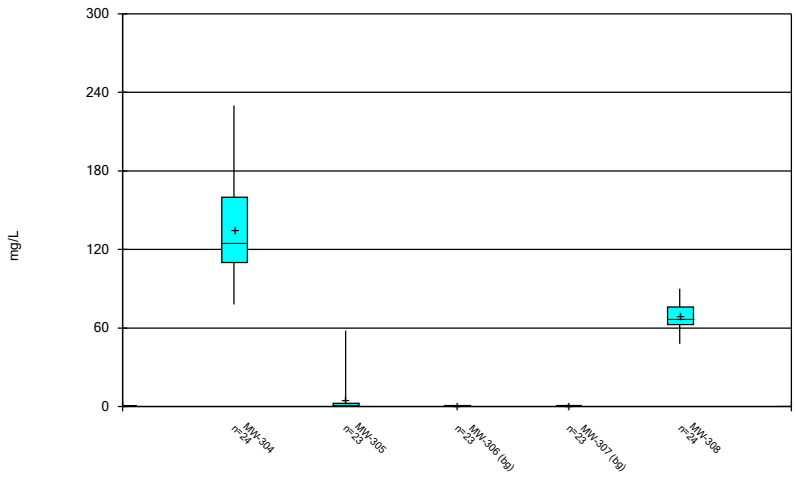
Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

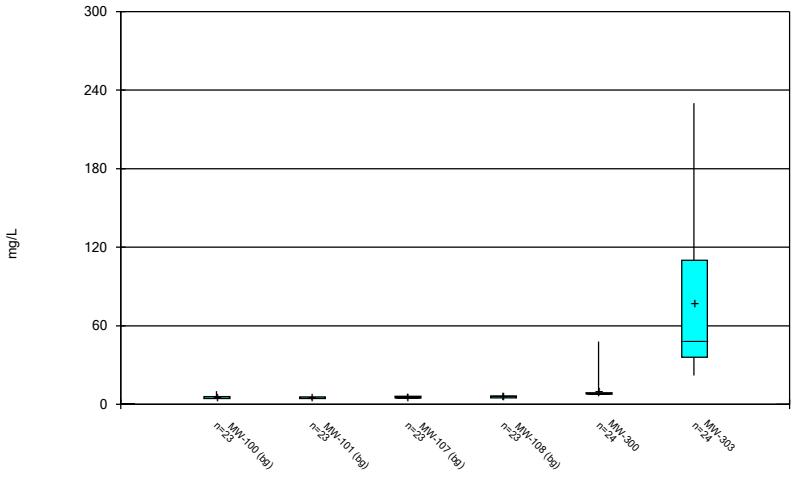
Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

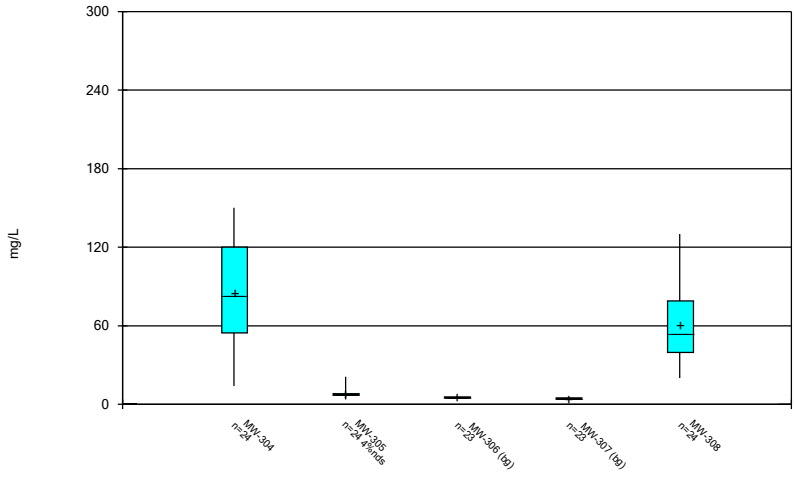
Box & Whiskers Plot



Constituent: Chloride Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

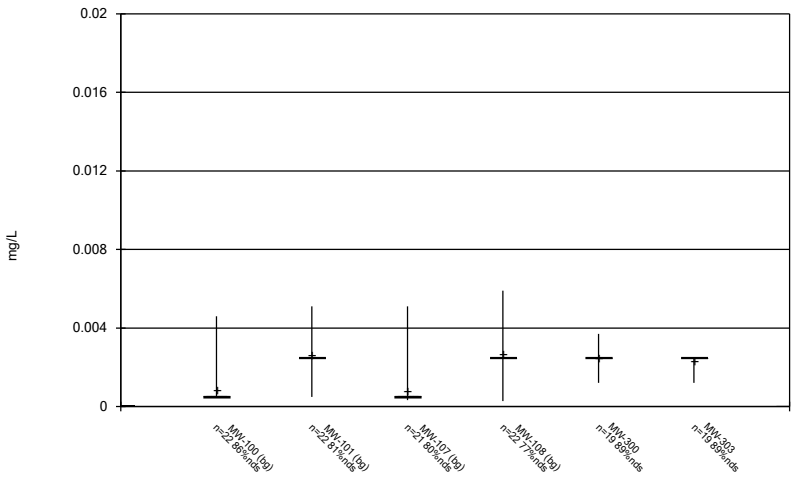
Box & Whiskers Plot



Constituent: Chloride Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

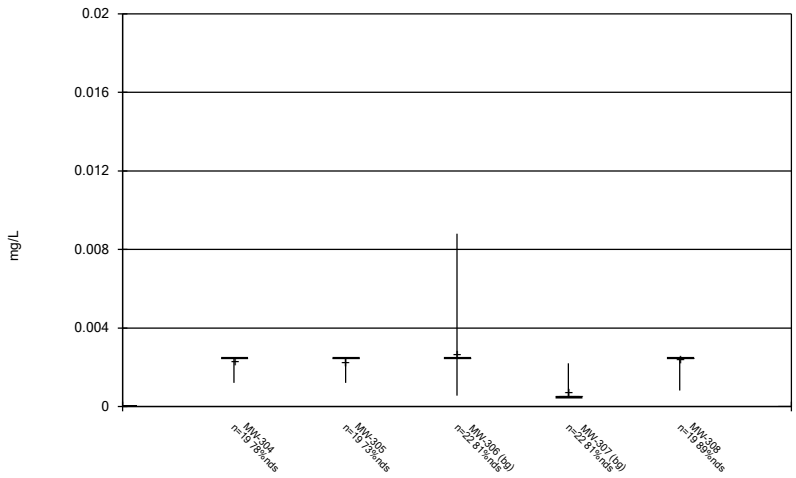
Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

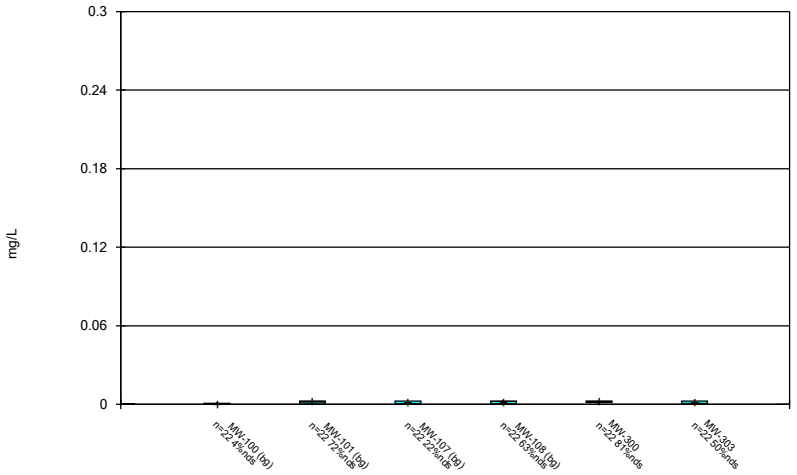
Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

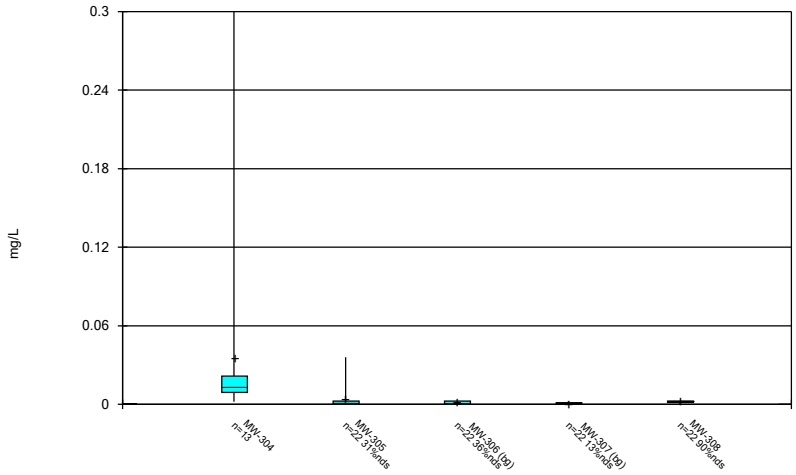
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

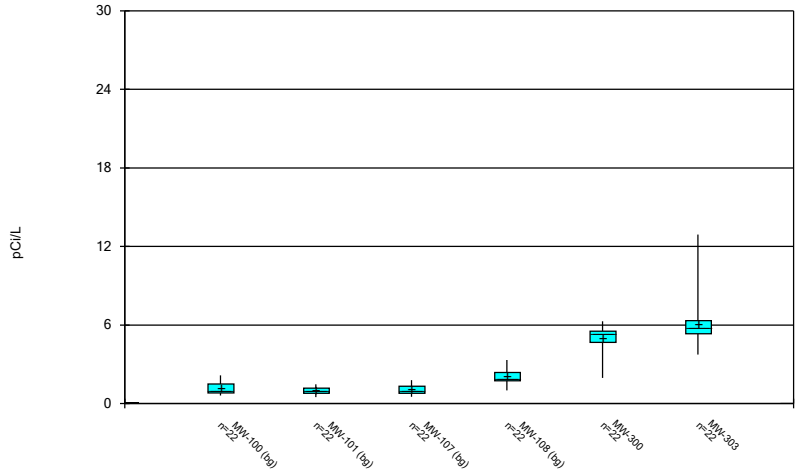
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

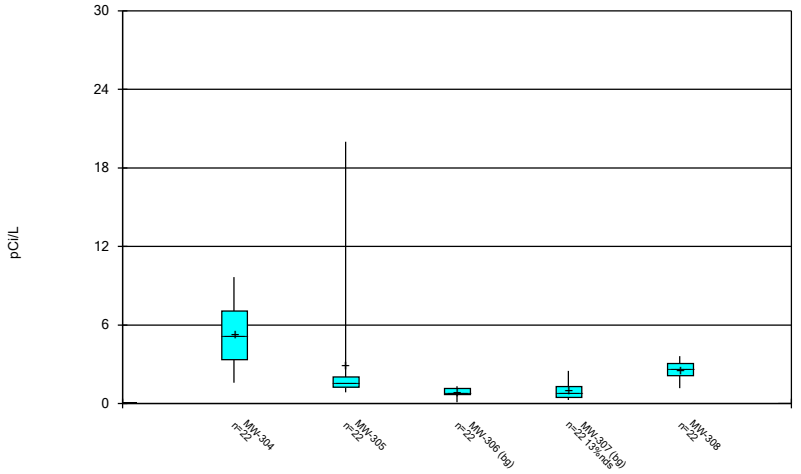
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

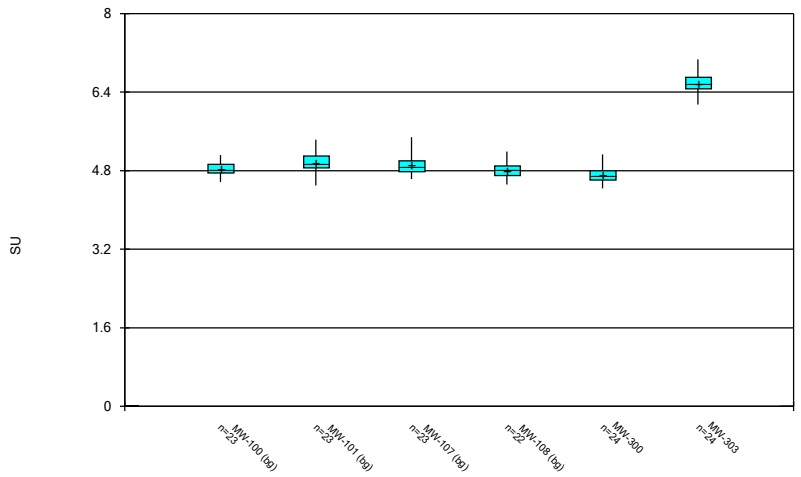
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

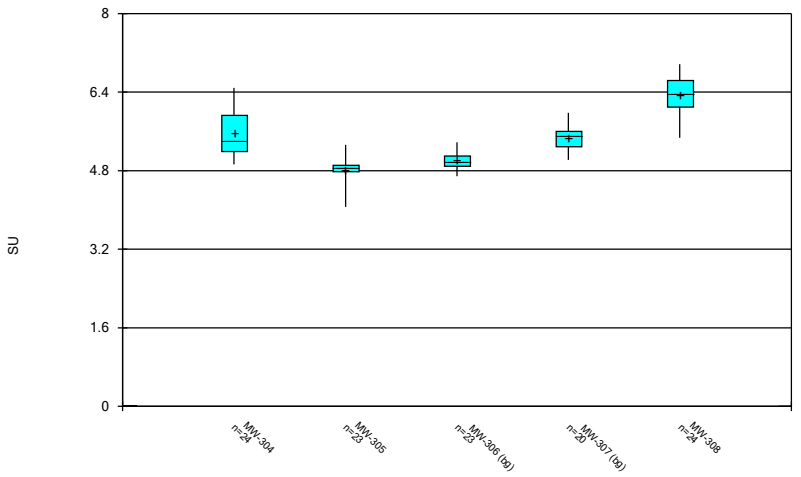
Box & Whiskers Plot



Constituent: Field pH Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

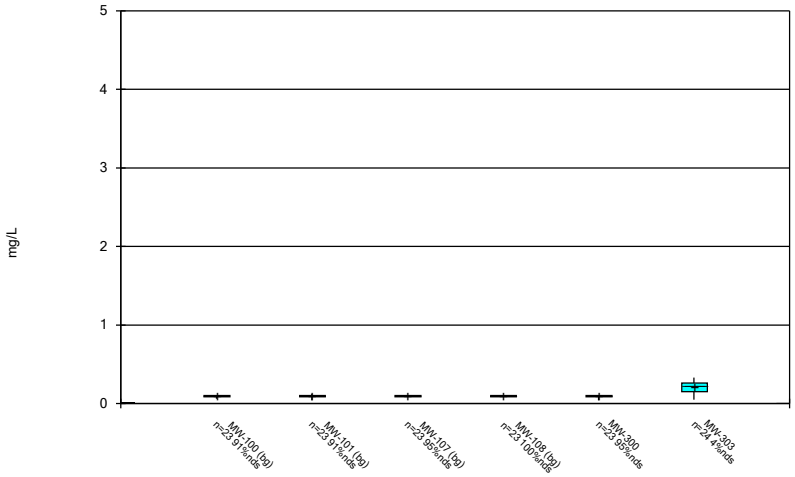
Box & Whiskers Plot



Constituent: Field pH Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

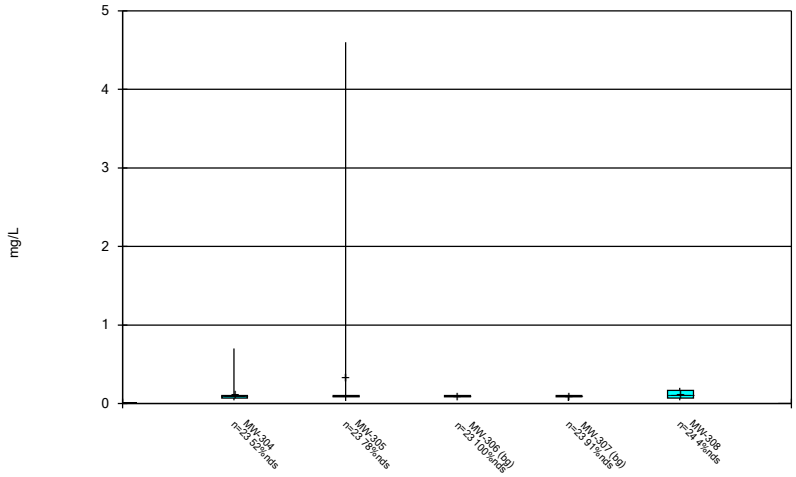
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

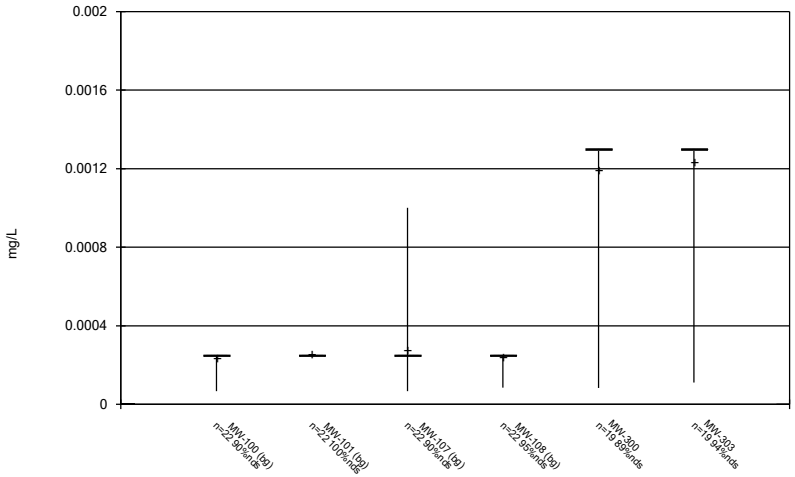
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

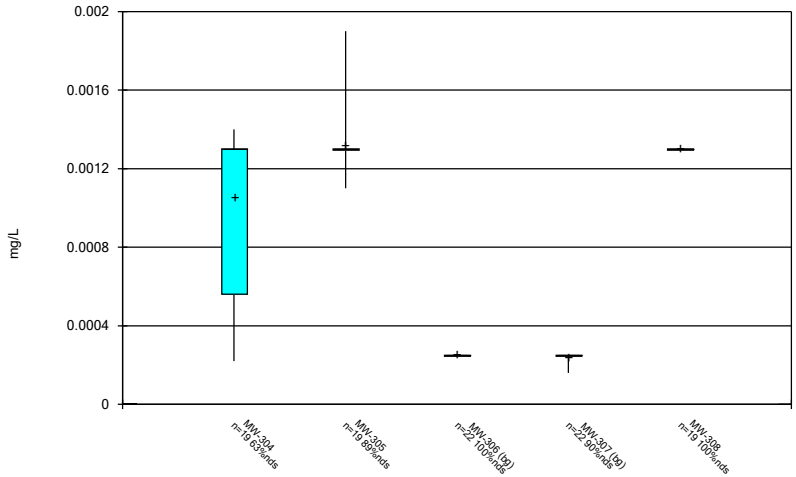
Box & Whiskers Plot



Constituent: Lead Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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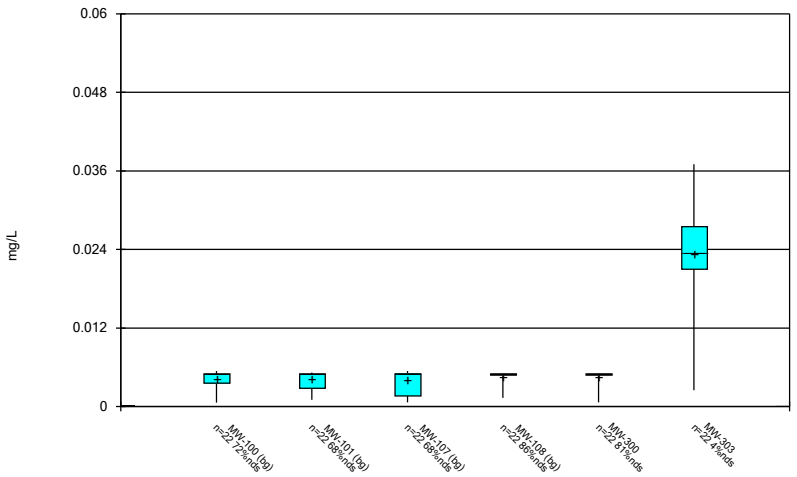
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

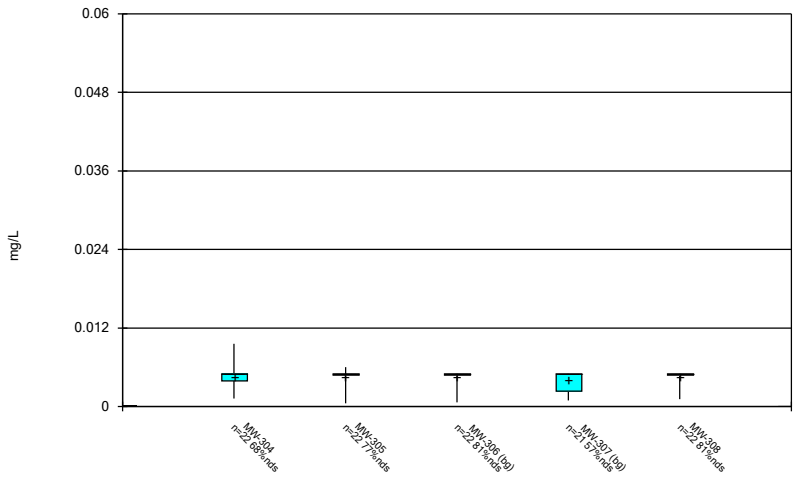
Box & Whiskers Plot



Constituent: Lithium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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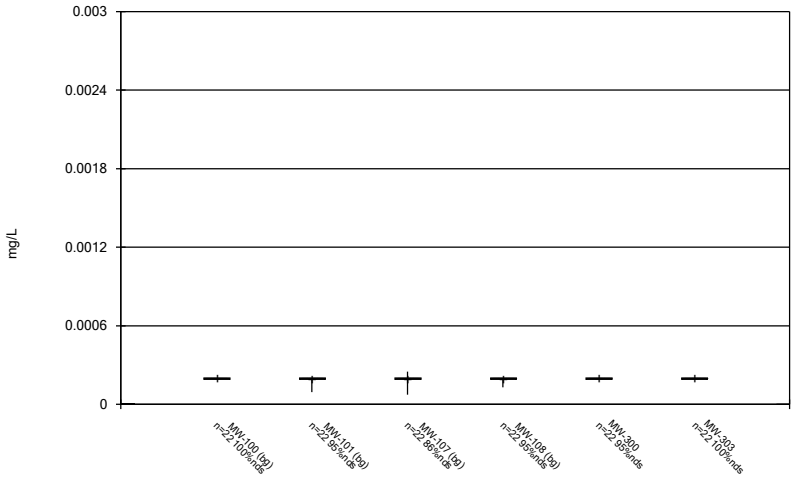
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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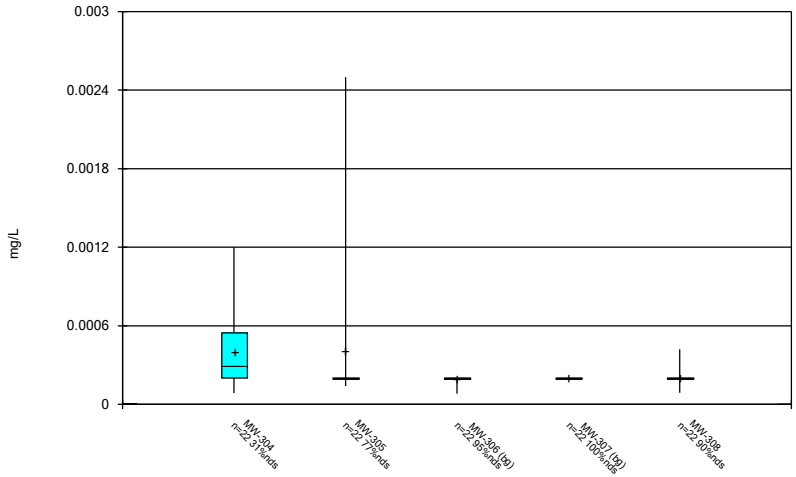
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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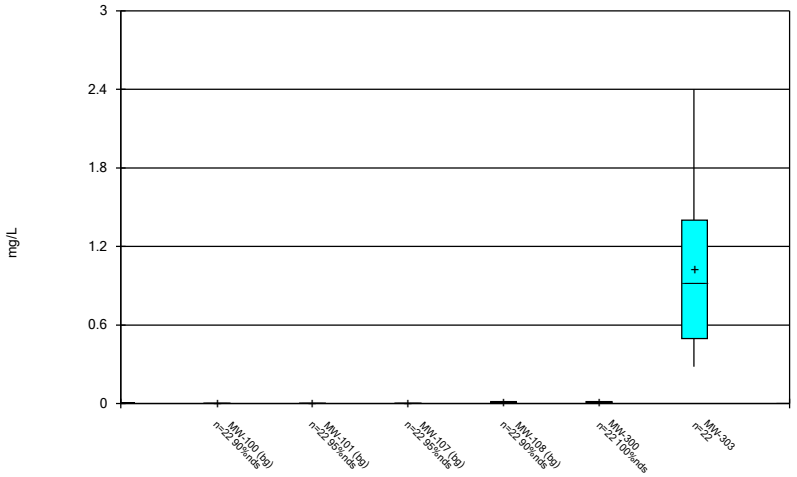
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

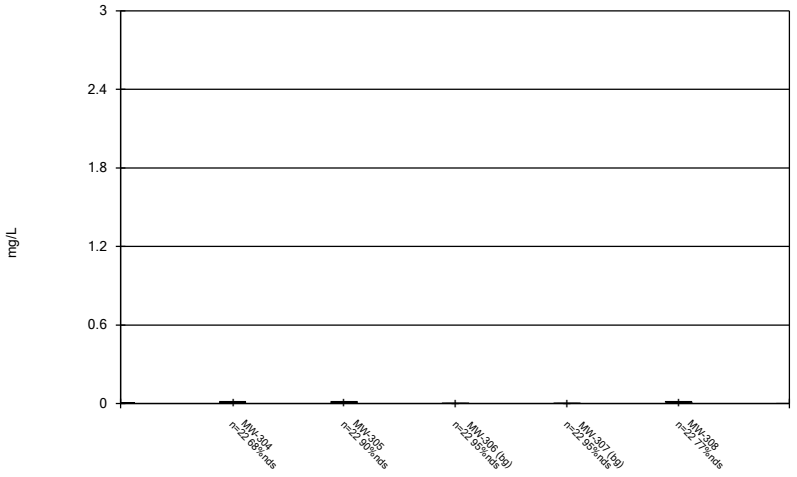
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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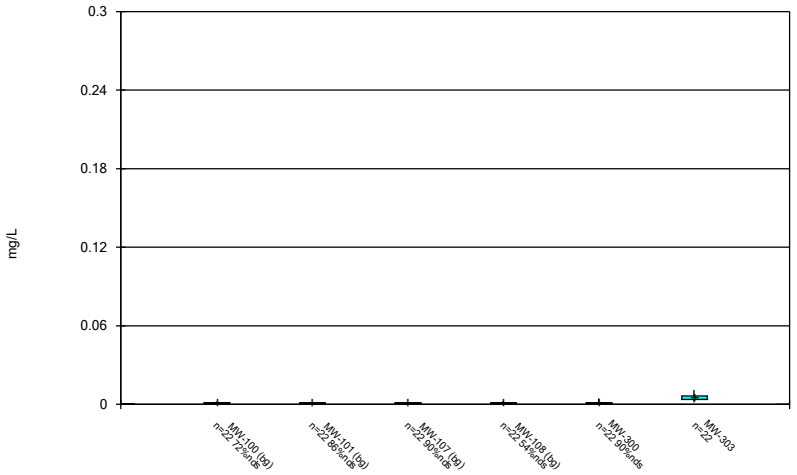
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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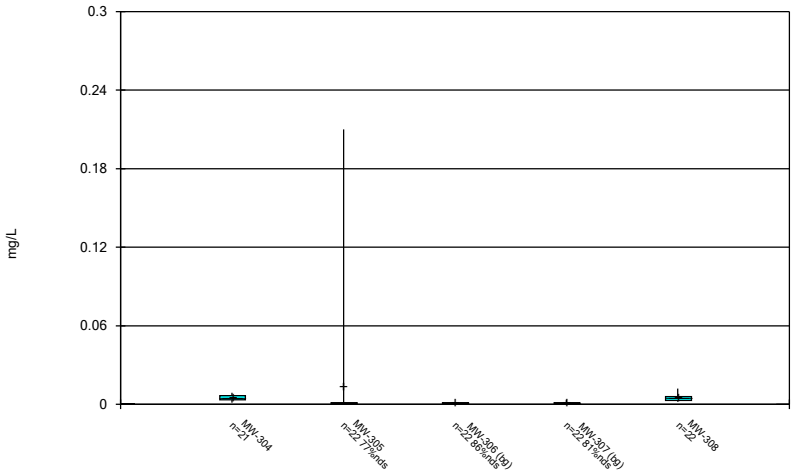
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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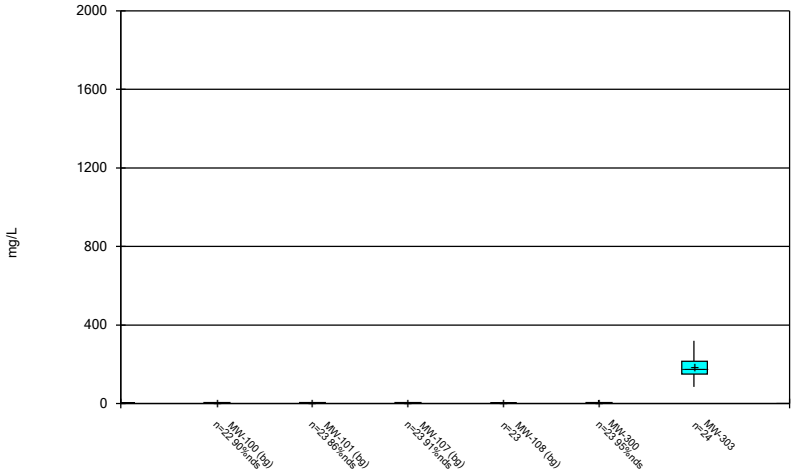
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

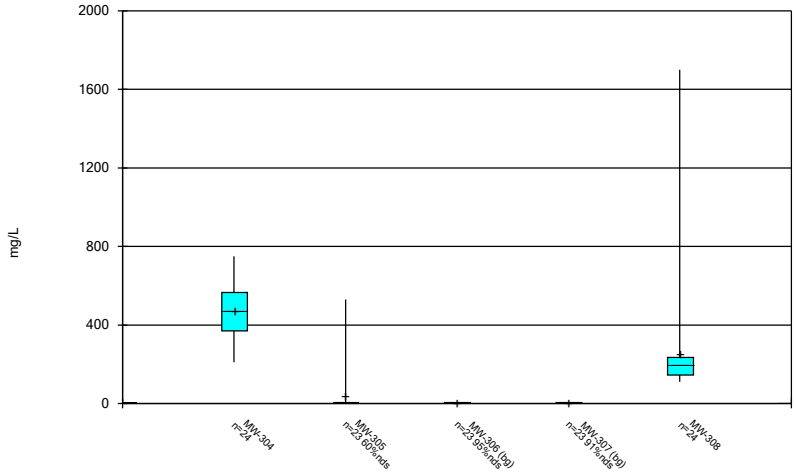
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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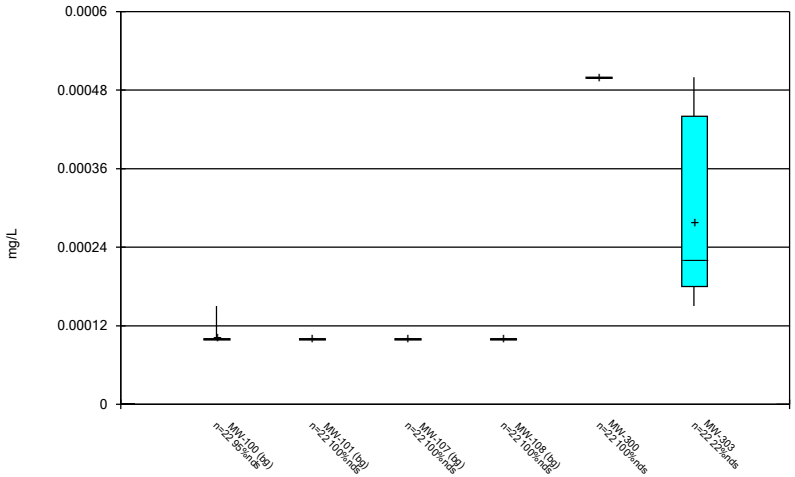
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

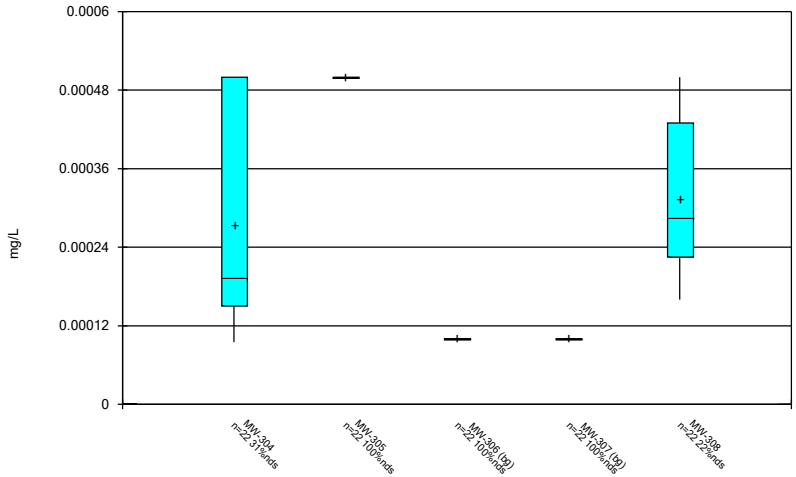
Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



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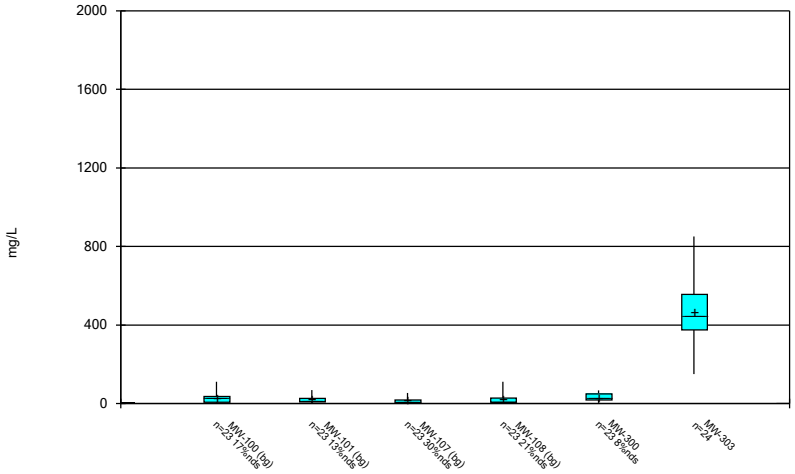
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

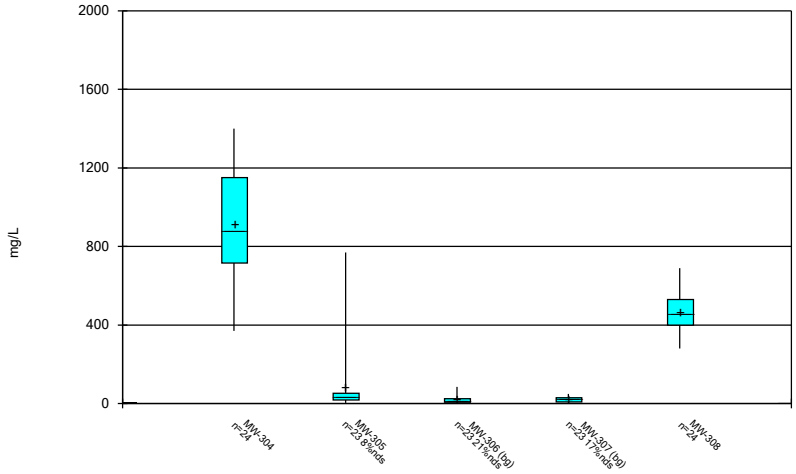
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant

Sanitas™ v.10.0.13 . UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/29/2023 7:58 PM View: 300 Series
Gulf Clean Energy Center Data: Gulf Clean Energy Plant