

Prepared for

Florida Power & Light Company

700 Universe Boulevard, JES/JB

Juno Beach, Florida 33408

**2022 ANNUAL GROUNDWATER
MONITORING AND CORRECTIVE
ACTION REPORT
FLORIDA POWER & LIGHT COMPANY,
PLANT SMITH ASH POND**

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

1120 North 12th Avenue
Pensacola, Florida 32501

Project Number FR8308

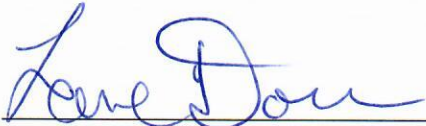
January 31, 2023

CERTIFICATION STATEMENT

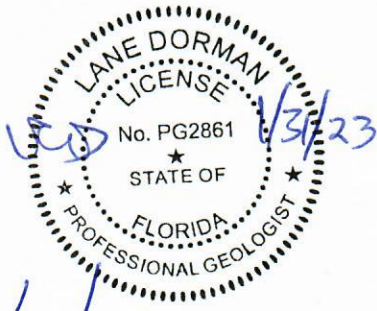
This *2022 Annual Groundwater Monitoring and Corrective Action Report, Florida Power & Light Company – Plant Smith – Ash Pond* has been prepared in accordance with the requirements of the United States Environmental Protection Agency Coal Combustion Residuals Rule (40 Code of Federal Regulations Part 257, Subpart D) under the supervision of a State of Florida licensed Professional Engineer and Professional Geologist with Geosyntec Consultants, Inc.

Benjamin K. Amos, Ph.D., P.E.
Florida Professional Engineer No. 82837

Date



Lane Dorman, P.G.
Florida Professional Geologist No. PG2861



1/31/23
Date

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 *2022 Annual Groundwater Monitoring and Corrective Action Report* documents CCR groundwater monitoring activities and remedy selection completed in 2022 at Florida Power & Light Company’s (“FPL”) Plant Lansing Smith (“Plant Smith”) Ash Pond.

The Ash Pond was historically used to support coal-fired operations at Plant Smith that ceased in March 2016. CCR was not sent to the Ash Pond after the second quarter of 2016. In 2021, FPL completed necessary pre-closure activities in preparation to close the Ash Pond in accordance with a Florida Department of Environmental Protection (“FDEP”)-approved closure plan. The pre-closure activities included: (i) the construction of a lined wastewater pond and pipelines to direct plant process water and stormwater to the newly constructed lined pond; and (ii) cessation of receipt of non-CCR wastewater to the Ash Pond. A *Notice of Intent to Initiate Closure* was completed on May 7, 2021, and posted to the FPL CCR Website.

The Ash Pond is being closed in accordance with 40 CFR Section 257.102(d) and the FDEP-approved closure plan with the intent to obtain final closure certification in the 2023 to 2024 timeframe. This in-place closure strategy will act to contain CCR (i.e., control the source of release) and reduce or eliminate future release of CCR constituents. FPL is currently performing the following closure activities:

- i) Excavation of CCR outside the limits of the recently constructed lined ponds, including the perimeter dike system.
- ii) Dewatering, placement, and compaction of CCR in the dry stack area (i.e., final closure area) in accordance with the FDEP-approved closure plan.
- iii) Installation of a slurry wall around the final closure area.

FPL installed a CCR groundwater monitoring well network to monitor groundwater within the uppermost aquifer in the vicinity of the Ash Pond. Current monitoring wells in the CCR groundwater monitoring well network are listed below:

- background wells: MW-02, MW-03, and MW-12;

- downgradient wells: MW-06 and MW-07, and six additional replacement wells (MW-08R, MW-09R, MW-10R, MW-11R, MW-13R, and MW-14R) installed between November 2021 and August 2022; and
- piezometers: MW-01, MW-04, and MW-05.

FPL installed replacement wells MW-08R, MW-09R, and MW-10R in March 2022 and replacement well MW-11R in August 2022. Replacement wells MW-08R, MW-09R, and MW-10R were sampled during both sampling events in 2022. Replacement well MW-11R was sampled for the first time in September 2022. The recent sample data from the replacement wells will be pooled with historical data for the original wells once a sufficient number of samples are collected to enable statistical comparisons of the two data sets (i.e., recent data and historical) in accordance with the *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance* (USEPA, 2009), the *Statistical Analysis Plan* (“SAP”) (Groundwater Stats Consulting (“GSC”), 2017), and the *Statistical Analysis Method Certification, 40 CFR 257.93(f), Plant Smith Ash Pond, Gulf Power Company* (Southern Company, 2017a).

Since the replacement monitoring wells were installed in the same vicinity as the original monitoring wells, the datasets from each well/replacement well can likely be pooled together. Therefore, recertification of the CCR groundwater monitoring well network is not necessary. However, CCR monitoring well network recertification may be necessary if a statistical comparison of data from the original monitoring well network and the replacement monitoring well network indicates that the datasets are statistically different. Note that statistical dataset comparisons will require a sufficient number of groundwater sampling events.

Statistical evaluation of CCR groundwater monitoring data collected through October 2017 identified statistically significant increases (“SSIs”) of certain CCR Rule Appendix III groundwater monitoring constituents relative to background concentrations. In accordance with the CCR Rule, FPL initiated an assessment monitoring program for the Ash Pond in March 2018 and continued assessment monitoring activities for the Ash Pond through 2022. Semi-annual assessment monitoring groundwater sample collection events for all CCR Rule Appendix III and Appendix IV parameters were conducted in April and September 2022.

In 2022, analytical data from the April 2022 and September 2022 sampling events were evaluated in accordance with the SAP. Statistical analysis of data from the April 2022 and September 2022 sampling events indicated SSIs of the following CCR Rule

Appendix III constituents above background levels: boron, calcium, chloride, sulfate, and total dissolved solids at MW-06 and MW-07 (April 2022 and September 2022 sampling events), and pH at MW-07 (April 2022 sampling event only).

Statistical analysis indicated statistically significant levels (“SSLs”) of the following CCR Rule Appendix IV constituents above applicable groundwater protection standards:

SSL Constituent	Semi-Annual Assessment Monitoring Event	
	April 2022	September 2022
Radium 226 and 228 combined (total radium)	MW-06 MW-07	MW-06 MW-07
Arsenic ¹	--	--
Lithium ²	--	--

¹ An arsenic SSL was previously identified at MW-11 which was abandoned in 2020 to facilitate closure activities. MW-11R was installed in August 2022 as a replacement well for MW-11, with an arsenic concentration of 0.0029 milligrams per liter (mg/L) in September 2022 which is below the GWPS of 0.01 mg/L. The arsenic SSL will be reassessed when sufficient monitoring data are available from MW-11R to perform statistical analysis.

² A lithium SSL was previously identified at MW-13 which was abandoned in 2020 to facilitate closure activities. MW-13R was installed in November 2021 as a replacement well for MW-13, with a lithium concentration of 0.008 mg/L in September 2022 which is below the GWPS of 0.04 mg/L. The lithium SSL will be reassessed when sufficient monitoring data are available from MW-13R to perform statistical analysis.

In accordance with the CCR Rule, FPL requested that Geosyntec evaluate the source of total radium SSLs observed in groundwater downgradient of the Plant Smith Ash Pond. Geosyntec developed an *Alternate Source Demonstration* (Geosyntec, 2019a) which documents that the total radium SSLs are from a source other than the Ash Pond.

FPL completed an *Assessment of Corrective Measures Report* (ACM) (Geosyntec, 2019b) in June 2019 for arsenic and lithium and a public meeting was held in December 2020 to discuss the ACM. In 2022, FPL completed remedy selection. Remedy evaluation activities included assessing temporal constituent concentration trends and completion of an assessment of monitored natural attenuation (“MNA”) as a potential remedial component. The MNA assessment, through bench-scale and desktop evaluations, indicates that MNA is a viable remedy for the arsenic and lithium SSLs at Plant Smith. A *Selection of Remedy Report* (Geosyntec, 2022a) describing the selected corrective action remedy was completed in July 2022 and posted to the FPL CCR Website on August 29, 2022. The selected remedy, which is underway, combines the following elements:

- i) source control in accordance with the 40 CFR Section 257.102(d) and the FDEP-approved closure plan;
- ii) a slurry wall around the entire perimeter of the final closure area; and

iii) MNA.

A monitoring program to evaluate the performance of the selected remedy pursuant to 40 CFR Section 257.97 is outlined in the *Corrective Action Groundwater Monitoring Plan* (“CAMP”) completed in October 2022 and posted to the FPL CCR website on October 27, 2022.

In 2022, FPL evaluated the nature and extent of lithium and arsenic in groundwater downgradient of the Ash Pond. Delineation activities were completed in 2022 and included sampling of MWI-12A and PZ-14. Samples collected from the delineation wells/piezometers indicate that the horizontal extent of arsenic and lithium SSLs remain delineated. Vertical delineation was previously considered complete, although vertical delineation locations continued to be sampled through 2020. The vertical delineation wells were abandoned in 2020 to facilitate Ash Pond closure activities. The need for additional vertical delineation activities will be reassessed as monitoring data collected from the replacement monitoring wells installed between November 2021 and August 2022 are available to be included in statistical evaluation.

In 2023, the Ash Pond will remain in assessment monitoring and the performance of the selected remedy for arsenic and lithium SSLs monitored in accordance with the CAMP.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	ES-1
1.0 INTRODUCTION	1
1.1 Overview	1
1.2 Regional Geology & Hydrogeologic Setting.....	1
1.3 Ash Pond CCR Unit	2
1.4 Remedy Selection and Implementation.....	3
1.5 Groundwater Monitoring System	4
2.0 GROUNDWATER MONITORING ACTIVITIES	6
2.1 Monitoring Well Installation and Maintenance.....	6
2.2 Semi-Annual Assessment Monitoring Events.....	6
3.0 SAMPLE METHODOLOGY & RESULTS	7
3.1 Groundwater Elevation Measurements and Flow Directions.....	7
3.2 Groundwater Gradient and Flow Velocity	7
3.3 Groundwater Sampling.....	8
3.4 Delineation Sampling	8
3.5 Laboratory Analyses.....	9
3.6 Quality Assurance & Quality Control Summary.....	9
4.0 STATISTICAL ANALYSIS	10
4.1 Statistical Methods	10
4.1.1 Appendix III Constituent Statistical Methods.....	10
4.1.2 Appendix IV Constituent Statistical Methods.....	11
4.2 Statistical Analysis Results.....	11
4.2.1 Appendix III Constituent Statistical Results	11
4.2.2 Appendix IV Constituents Statistical Results	11
5.0 ALTERNATE SOURCE DEMONSTRATION.....	13
6.0 SUMMARY AND FUTURE ACTIONS	14
7.0 REFERENCES	15

TABLE OF CONTENTS (Continued)

LIST OF TABLES

Table 1	Groundwater Monitoring Location Details
Table 2	Summary of 2022 Groundwater Sampling Events
Table 3	Summary of 2022 Groundwater Laboratory Analytical Data
Table 4	Summary of 2022 Groundwater Elevations
Table 5	Summary of 2022 Background Limits and Groundwater Protection Standards

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Well Locations
Figure 3	Groundwater Sample Collection Locations – April 2022
Figure 4	Groundwater Sample Collection Locations – September 2022
Figure 5	Groundwater Elevation Map – 14 April 2022
Figure 6	Groundwater Elevation Map – 1 September 2022

LIST OF APPENDICES

Appendix A	Laboratory Analytical, Field Sampling Reports, and April 2022 Data Validation Reports
Appendix B	Statistical Analyses – April 2022 Semi-Annual Monitoring
Appendix C	Statistical Analyses – September 2022 Semi-Annual Monitoring

1.0 INTRODUCTION

1.1 Overview

On behalf of Florida Power & Light Company (“FPL”), Geosyntec Consultants, Inc. (“Geosyntec”) has prepared this *2022 Annual Groundwater Monitoring and Corrective Action Report* for FPL’s Plant Lansing Smith (“Site” or “Plant Smith”) Ash Pond. The purpose of this report is to present a summary of coal combustion residuals (“CCR”) groundwater monitoring and corrective action activities conducted in 2022 in accordance with annual reporting requirements of the 40 Code of Federal Regulations (“CFR”) Section 257.90(e) (“CCR Rule”).

The Site is located at 4300 Highway 2300, Bay County, Florida, and is situated on approximately 1,560 acres. A Site location map is provided as **Figure 1**. Site topography is relatively flat. The Site is bordered by undeveloped land to the north and east, Alligator Bayou to the west, and North Bay to the south. The Ash Pond is located on the southern portion of the Site near North Bay.

1.2 Regional Geology & Hydrogeologic Setting

The principal aquifers beneath Bay County include the surficial aquifer system, the intermediate aquifer system, and the Floridan Aquifer System (Pratt *et al.*, 1996). The surficial aquifer system is the shallowest and is an unconfined system formed by recent terrace sands, the Citronelle Formation, and the upper portions of the Intracoastal Formation in hydraulic connection with these sediments. The general direction of regional groundwater flow is toward North Bay.

The intermediate aquifer system in Bay County is semi-confined and consists of the low permeability sediments of the Jackson Bluff and the Intracoastal Formations. Permeable portions of the Intracoastal Formation provide sufficient quantities of water for potable use. Overall, the intermediate aquifer system acts as a confining unit for the underlying Floridan Aquifer System.

The surficial aquifer system at the Site is considered the uppermost aquifer for groundwater monitoring purposes. CCR monitoring wells are screened in the uppermost, water-bearing zone in the undifferentiated quaternary alluvium of the surficial aquifer system. Site-specific lithology in the uppermost aquifer consists primarily of sand, silt, and clay mixtures. Groundwater in the surficial aquifer system at the Site is encountered in a laterally-extensive water-bearing unit of predominantly fine sand from approximately

5 to -20 feet (“ft”) elevation relative to the North American Vertical Datum of 1988 (“NAVD88”). CCR monitoring wells and piezometers are screened in the uppermost aquifer at elevations shown in **Table 1**.

1.3 Ash Pond CCR Unit

The Ash Pond occupies approximately 165 acres and was historically used to support coal-fired operations at Plant Smith; fly ash, bottom ash, and other low-volume wastes associated with coal-fired operations were sluiced to the Ash Pond. In March 2016, Plant Smith ceased coal-fired operations, and CCR was no longer sent to the Ash Pond after the second quarter of 2016. In 2021, FPL completed necessary pre-closure activities in preparation to close the Ash Pond in accordance with a Florida Department of Environmental Protection (“FDEP”)-approved closure plan. The pre-closure activities included: (i) the construction of a lined wastewater pond and pipelines to direct plant process water and stormwater to the newly constructed lined pond; and (ii) cessation of receipt of non-CCR wastewater to the Ash Pond. A *Notice of Intent to Initiate Closure* was completed on May 7, 2021 and posted to the FPL CCR Website.

The Ash Pond is being closed in accordance with 40 CFR Section 257.102(d) and the FDEP-approved closure plan with the intent to obtain final closure certification in the 2023 to 2024 timeframe. This in-place closure strategy will act to contain CCR (i.e., control the source of release) and reduce or eliminate future release of CCR constituents, consistent with criteria for remedy selection outlined in the *Selection of Remedy Report* (Geosyntec, 2022a) completed in July 2022. FPL is performing the following closure activities:

- i) Excavation of CCR outside the limits of the recently constructed lined ponds, including the perimeter dike system.
- ii) Dewatering, placement, and compaction of excavated CCR in the dry stack area (i.e., final closure area) in accordance with the FDEP-approved closure plan.
- iii) Installation of a slurry wall¹ around the final closure area¹.

¹ The slurry wall is part of the FDEP-approved closure plan. The addition of the slurry wall as a component of the closure plan was approved by FDEP on September 14, 2017.

1.4 Remedy 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, 2019b). Semi-annual progress reports on remedy selection were completed from December 2019 to July 2022 to summarize the ongoing remedy evaluation and selection status. A public meeting was held in December 2020 to discuss the ACM.

Remedy evaluation activities included assessing temporal constituent concentration trends and completion of an evaluation of monitored natural attenuation (“MNA”) as a potential remedial component. The MNA evaluation, through bench-scale and desktop evaluations, indicated that MNA is a viable remedy for the arsenic and lithium statistically significant levels (“SSLs”) at Plant Smith (Geosyntec, 2022a).

In July 2022, FPL selected a remedy to address the arsenic and lithium SSLs documented in the *Selection of Remedy Report* (Geosyntec, 2022a; posted to the FPL CCR Website on August 29, 2022). The selected remedy, which is underway, combines the following elements:

- iv) source control in accordance with 40 CFR Section 257.102(d) and the FDEP-approved closure plan;
- v) a slurry wall around the entire perimeter of the final closure area; and
- vi) MNA.

The *Corrective Action Groundwater Monitoring Plan* (“CAMP”) (Geosyntec, 2022b) was prepared in October 2022 to outline the monitoring program (i.e., to document the approach for groundwater sampling and analysis at the Site) to evaluate the performance of the selected remedy.

Data collection and evaluation in accordance with the CAMP is included in this 2022 *Annual Groundwater Monitoring and Corrective Action Report*. Specifically, status updates on remedy implementation progress, compliance with the groundwater protection standard (“GWPS”) for each SSL constituent, and any changes to the anticipated implementation schedule are discussed herein. Following closure certification and completion of four groundwater sampling events, updated trend analyses and projected

timeframes to attain GWPS will also be reported in a future *Annual Groundwater Monitoring and Corrective Action Report*.

1.5 Groundwater Monitoring System

Pursuant to the CCR Rule, FPL installed a CCR groundwater monitoring system around the Ash Pond to monitor groundwater within the uppermost aquifer at the Site (Southern Company (“SC”), 2018). Background monitoring wells were installed upgradient of the Site to establish Site-wide background water quality. The downgradient monitoring well network was installed at the waste boundary. The Ash Pond groundwater monitoring network is currently comprised of the following:

- background wells: MW-02, MW-03, and MW-12;
- downgradient wells: MW-06 and MW-07 and six additional replacement wells (MW-08R, MW-09R, MW-10R, MW-11R, MW-13R, and MW-14R) installed between November 2021 and August 2022; and
- piezometers: MW-01, MW-04, and MW-05.

FPL installed replacement wells MW-08R, MW-09R, and MW-10R in March 2022 and replacement well MW-11R in August 2022. Replacement wells MW-08R, MW-09R, and MW-10R were sampled during both sampling events in 2022. Replacement well MW-11R was sampled for the first time in September 2022. Prior well abandonments and installation of replacement wells MW-13R and MW-14R is documented in the *2021 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2022c). The recent sample data from the replacement wells will be pooled with historical data for the original wells once a sufficient number of samples are collected to enable statistical comparisons of the two data sets (i.e., recent data and historical) in accordance with the *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance* (referred herein at “Unified Guidance”; USEPA, 2009), the *Statistical Analysis Plan* (“SAP”) (Groundwater Stats Consulting (“GSC”), 2017), and the *Statistical Analysis Method Certification, 40 CFR 257.93(f), Plant Smith Ash Pond, Gulf Power Company* (“SAMC”) (Southern Company, 2017a).

Since the replacement monitoring wells were installed in the same vicinity as the original monitoring wells, the datasets from each well/replacement well can likely be pooled together. Therefore, recertification of the CCR groundwater monitoring well network is not necessary. However, CCR monitoring well network recertification may be necessary

if a statistical comparison of data from the original monitoring well network and the replacement monitoring well network indicates that the datasets are statistically different. Note that statistical dataset comparisons will require a sufficient number of groundwater sampling events.

As previously reported (Geosyntec, 2020), FPL installed vertical and horizontal delineation wells/piezometers in December 2018 to evaluate the nature and extent of identified SSLs of CCR Rule Appendix IV constituents. In 2022, FPL continued to monitor the horizontal delineation at the following wells/piezometers for CCR Rule Appendix IV constituents: MWI-12A and PZ-14.

Monitoring wells and piezometer details, including installation date, coordinates, elevations, screen interval, and designation, are summarized in **Table 1**. The CCR groundwater monitoring well network and delineation wells/piezometers for the Ash Pond are depicted on **Figure 2**.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes CCR groundwater monitoring-related activities performed in 2022.

2.1 Monitoring Well Installation and Maintenance

As documented in the *2020 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2021), to facilitate Ash Pond closure (i.e., as part of pre-closure activities), the following monitoring wells and piezometers were abandoned in August 2020: MW-08, MW-09, MW-10, MW-11, MW-13, MW-14, PZ-11D, and PZ-13D.

In November 2021, Ash Pond closure activities had progressed to the point to allow FPL to install replacement monitoring wells for MW-13 and MW-14 (replacement wells MW-13R and MW-14R, respectively). Locations of replacement wells are shown in **Figure 2**.

In March 2022, closure activities had progressed along the southern and eastern perimeter of the Ash Pond to allow for installation of replacement monitoring wells for MW-08, MW-09, and MW-10 (MW-08R, MW-09R, and MW-10R, respectively). Replacement wells MW-08R, MW-09R, and MW-10R were sampled in April and September 2022. In August 2022, closure activities had further progressed to allow for installation of a replacement monitoring well for MW-11 (MW-11R). Replacement well MW-11R was installed in August 2022 and sampled in September 2022.

2.2 Semi-Annual Assessment Monitoring Events

Semi-annual assessment monitoring events were conducted in April 2022 and September 2022. MW-11R was only sampled in September 2022, following installation in August 2022. During the 2022 semi-annual assessment monitoring events, groundwater samples were collected from each monitoring and delineation well/piezometer and analyzed for CCR Rule Appendix III and Appendix IV constituents. In April and September 2022, groundwater samples were collected from the locations shown on **Figure 3** and **Figure 4**, respectively. A summary of groundwater sampling events completed in 2022 is provided in **Table 2**. Analytical data associated with these events are summarized in **Table 3**; laboratory analytical reports are included in **Appendix A**.

3.0 SAMPLE METHODOLOGY & RESULTS

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

3.1 Groundwater Elevation Measurements and Flow Directions

Prior to each CCR sampling event, groundwater depths were recorded from the CCR groundwater monitoring wells and delineation wells/piezometers. These groundwater depths were then converted to elevations as summarized in **Table 4**. **Figure 5** and **Figure 6** show the groundwater elevations during the April and September 2022 semi-annual assessment monitoring events, respectively. Based on the potentiometric data, groundwater generally flows toward Alligator Bayou on the west side of the Ash Pond and toward North Bay on the southern side of the Ash Pond. Groundwater elevations, and by extension groundwater flow patterns, were generally consistent with historical observations.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates were calculated based on measured hydraulic gradients and hydraulic conductivity measured via slug tests (Geosyntec, 2022a). The Site-specific hydraulic conductivity was calculated to be up to 0.47 ft/day (i.e., at PZ-14). The horizontal hydraulic gradients between MW-11R and MWI-12A and between MW-13R and PZ-14 well pairs were calculated based on groundwater elevation data from 2022 sampling events, resulting in horizontal hydraulic gradients of 0.004 ft/ft for MW-11R and MWI-12A well pair in September 2022 and 0.006 and 0.013 ft/ft for MW-13R and PZ-14 well pair in April and September 2022, respectively.

Horizontal flow velocity was 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);

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

The calculated horizontal groundwater velocities were 0.008 ft/day (3.1 ft/year) for well pair MW-11R and MWI-12A in September 2022 and 0.012 ft/day (4.4 ft/year) and 0.025 ft/day (9.2 ft/year) for well pair MW-13R and PZ-14 in April and September 2022, respectively.

3.3 Groundwater Sampling

Groundwater samples were collected in accordance with FDEP Standard Operating Procedures FS2200 (FDEP, 2017) and the CCR Rule. AquaTroll™ (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, and dissolved oxygen) during well purging to evaluate stabilization prior to sampling. Turbidity was measured using a portable Hach™ turbidimeter. Following sample 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 Delineation Sampling

To confirm continued horizontal delineation of the nature and extent of lithium and arsenic (i.e., constituents with SSLs), groundwater samples were collected from relevant delineation wells and piezometers during 2022 semi-annual assessment monitoring events as follows:

- To delineate the horizontal extent of lithium at MW-13, FPL sampled piezometer PZ-14.
- To delineate the horizontal extent of arsenic at MW-11, FPL sampled well MWI-12A.

Groundwater sample results (**Table 3**) from these locations indicate continued and complete horizontal delineation of both arsenic and lithium in 2022.

Vertical delineation was previously considered complete, although vertical delineation locations continued to be sampled through 2020. The vertical delineation locations (i.e., PZ-13D and PZ-11D) were abandoned in 2020 to facilitate Ash Pond closure activities. The need for additional vertical delineation activities will be reassessed as monitoring

data collected from the replacement monitoring wells installed between November 2021 and August 2022 are available to be included in statistical evaluation.

3.5 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 analyses by the State of Florida. Groundwater data and chain-of-custody records for the monitoring events are presented in **Appendix A**.

3.6 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 from April 2022 in this report were independently validated in accordance with *Region IV Data Validation Standard Operating Procedures* (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 digestions 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 April 2022 and September 2022 semi-annual assessment monitoring events are included in **Appendix A**. Data validation reports for the September 2022 semi-annual assessment monitoring event will be included in the 2023 annual report.

4.0 STATISTICAL ANALYSIS

The following section describes the statistical methods and analyses performed in 2022.

4.1 Statistical Methods

Statistical analysis of CCR Rule Appendix III and Appendix IV constituents was performed on CCR groundwater monitoring data collected during the April 2022 and September 2022 semi-annual assessment monitoring events in accordance with the SAP (GSC, 2017) and the SAMC (Southern Company, 2017a). The SAP describes Site-specific statistical methods that are used to evaluate CCR groundwater data. Data from the replacement monitoring wells MW-08R, MW-09R, MW-10R, MW-11, MW-13R, and MW-14R will be pooled with historical data from the original wells once a sufficient number of samples are collected to enable statistical comparisons of the two data sets (i.e., recent data and historical for each well) in accordance with the Unified Guidance (USEPA, 2009).

Statistical analysis of Ash Pond CCR groundwater data was performed using the Sanitas[™] v.9.6.05 groundwater statistical software. Sanitas[™] is a decision support software package that incorporates statistical tests required of Subtitle C and D facilities by United States Environmental Protection Agency regulations and incorporates methods recommended in the Unified Guidance (USEPA, 2009), consistent with the SAP and the SAMC.

4.1.1 Appendix III Constituent Statistical Methods

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 CCR Rule 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 parameter. 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 Methods

In accordance with the CCR Rule, groundwater protection standards (GWPSs) for Appendix IV constituents were established and are presented in **Table 5**.

To evaluate 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 (**Table 5**). An SSL was identified only when the entire confidence interval is above the applicable 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 2022 and September 2022 semi-annual assessment monitoring events provided in **Appendix B** and **Appendix C**, respectively.

4.2 Statistical Analysis Results

Analytical data from the April 2022 and September 2022 semi-annual assessment monitoring events were analyzed in accordance with the SAP and SAMC. Appendix III statistical analysis was performed to evaluate if constituent concentrations in groundwater were consistent with background levels. CCR Rule Appendix IV constituents were evaluated to assess if groundwater concentrations statistically exceeded the established GWPSs.

4.2.1 Appendix III Constituent Statistical Results

Concentrations of select CCR Rule Appendix III constituents from samples collected during the April 2022 and September 2022 semi-annual assessment monitoring events differed from background levels. SSIs were identified for the following constituents: boron, calcium, chloride, sulfate, and TDS at MW-06 and MW-07 (April 2022 and September 2022 sampling events), and pH at MW-07 (April 2022 sampling event only). As such, assessment monitoring will continue in 2023.

4.2.2 Appendix IV Constituents Statistical Results

Based on the statistical analysis of CCR Rule Appendix IV constituents, the following SSLs were identified:

SSL Constituent	Semi-Annual Assessment Monitoring Event	
	April 2022	September 2022
Radium 226 and 228 combined (total radium)	MW-06 MW-07	MW-06 MW-07
Arsenic	--	--
Lithium	--	--

An arsenic SSL was previously identified at MW-11 which was abandoned in 2020 to facilitate closure activities. MW-11R was installed in August 2022 as a replacement well for MW-11, with an arsenic concentration of 0.0029 milligram per liter (mg/L) in September 2022 which is below the GWPS of 0.01 mg/L. The arsenic SSL will be reassessed when sufficient monitoring data are available to perform statistical analysis on MW-11R.

A lithium SSL was previously noted at MW-13 which was abandoned in 2020 to facilitate closure activities. MW-13R was installed in November 2021 as a replacement well for MW-13, with a lithium concentration of 0.008 mg/L in September 2022 which is below the GWPS of 0.04 mg/L. The lithium SSL will be reassessed when sufficient monitoring data are available to perform statistical analysis on MW-13R.

5.0 ALTERNATE SOURCE DEMONSTRATION

In accordance with the CCR Rule, FPL prepared an *Alternate Source Demonstration* (ASD) for total radium (Geosyntec, 2019a). The key conclusions of the ASD were based on historical findings accepted by FDEP in the following documents: *Radionuclides at Gulf Power Lansing Smith Plant* (FDEP, 1997a) and *Comments on “Factors Affecting the Distribution of Radiological Activity in Groundwater in the Vicinity of Plant Lansing Smith, Bay County, Florida”* (FDEP, 1997b). The findings of these documents are briefly summarized below:

- Parent radionuclides that decay into total radium (i.e., uranium and thorium) are naturally-occurring constituents in native sediments at Plant Smith;
- Interactions between saline groundwater and native sediments enriched in uranium and thorium (parent radionuclides to total radium) mobilizes total radium into groundwater; and
- Results of extraction tests conducted on ash from the Ash Pond demonstrate that the Ash Pond was not the source of the SSLs for total radium reported in groundwater.

6.0 SUMMARY AND FUTURE ACTIONS

Currently, FPL is performing closure activities in accordance with 40 CFR Section 257.102(d) and the FDEP-approved closure plan with the intent to obtain final closure certification in the 2023 to 2024 timeframe. Closure activities include: (i) excavation of CCR outside the limits of the recently constructed lined ponds, including the perimeter dike system, and dewatering, placement, and compaction of CCR in the dry stack area (i.e., final closure area); and ii) installation of a slurry wall around the perimeter of the closed-in-place Ash Pond as approved by FDEP on September 14, 2017. These in-place closure strategies will act to contain CCR and minimize potential future releases of CCR, consistent with the criteria for remedy selection outlined in 40 CFR Section 257.97.

In accordance with the CCR Rule, FPL continued implementation of assessment monitoring in 2022. Statistical analysis of 2022 data identified SSLs of total radium downgradient of the Ash Pond. An ASD was previously prepared for the total radium SSLs which documents that a source other than the Ash Pond caused the total radium SSLs. Arsenic and lithium SSLs were previously identified at wells that were abandoned in 2020. Replacement wells (MW-11R and MW-13R) had arsenic and lithium concentrations below GWPS in September 2022, respectively. The arsenic and lithium SSLs will be reassessed once a sufficient number of samples are collected from replacement wells to enable statistical comparisons of recent data and historical data in accordance with the Unified Guidance (USEPA, 2009). Monitoring data collected in 2022 indicate continued horizontal delineation of lithium and arsenic SSLs downgradient of the Ash Pond. Vertical delineation was previously considered complete and the need for additional vertical delineation will be reassessed as monitoring data from the replacement monitoring wells installed between November 2021 and August 2022 become available to be included in statistical evaluation.

An ACM was initiated in January 2019 and completed in June 2019 (Geosyntec, 2019b). A public meeting was held in December 2020 to discuss the ACM. Corrective measures evaluation and remedy selection was completed as documented in the July 2022 *Selection of Remedy Report* (Geosyntec, 2022a). A monitoring program to evaluate the performance of the selected remedy (source control, slurry wall, and MNA) pursuant to 40 CFR Section 257.97 is outlined in the CAMP, which was completed in October 2022 and posted to the FPL CCR website on October 27, 2022. Remedy implementation is ongoing. Assessment monitoring and corrective action monitoring will continue in 2023 and the performance of the selected remedy for arsenic and lithium SSLs will be monitored in accordance with the CAMP.

7.0 REFERENCES

- Florida Department of Environmental Protection (FDEP), 6 June 1997a. *Radionuclides at Gulf Power Lansing Smith Plant.*
- Florida Department of Environmental Protection (FDEP), 9 June 1997b. Comments concerning “Factors Affecting the Distribution of Radiological Activity in Groundwater in the Vicinity of Plant Lansing Smith, Bay County, Florida.”
- Florida Department of Environment Protection (FDEP), 2017. *Department of Environmental Protection Standard Operating Procedures for Field Activities.* DEP-SOP-001/01. Florida Department of Environmental Protection. January. <https://floridadep.gov/dear/quality-assurance/content/dep-sops>
- Geosyntec Consultants, 2019a. Alternate Source Demonstration, Gulf Power Company, Ash Pond, January.
- Geosyntec Consultants, 2019b. Assessment of Corrective Measures Report, Gulf Power Company, Plant Smith, Ash Pond, June.
- Geosyntec Consultants, 2020. 2019 Annual Groundwater Monitoring Report, Gulf Power Company, Plant Smith, Ash Pond, January.
- Geosyntec Consultants, 2021. 2020 Annual Groundwater Monitoring Report, Gulf Power Company, Plant Smith, Ash Pond, January.
- Geosyntec Consultants, 2022a. Selection of Remedy Report, Florida Power & Light Company, Plant Smith, Ash Pond, July.
- Geosyntec Consultants, 2022b. Corrective Action Groundwater Monitoring Plan, Florida Power & Light Company, Plant Smith, Ash Pond, October.
- Geosyntec Consultants, 2022c. 2021 Annual Groundwater Monitoring Report, Florida Power & Light Company, Plant Smith, Ash Pond, January.
- Groundwater Stats Consulting (GSC), 2017. Gulf Power Company, Plant Smith, Ash Pond, Statistical Analysis Plan. October.

- Pratt, Thomas R., Christopher J. Richards, Katherine A. Milla, Jeffrey R. Wagner, Jay L. Johnson, and Ross J. Curry, 1996. *Hydrogeology of the Northwest Florida Water Management District*. Water Resources Special Report 96-4. October.
- Southern Company, 2017a. *Statistical Analysis Method Certification, 40 CFR 257.93(f), Plant Smith Ash Pond*. Gulf Power Company. October.
- Southern Company, 2018. *2017 Annual Groundwater Monitoring and Corrective Action Report*. Gulf Power Company – Plant Smith Ash Pond. January.
- USEPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March.
- USEPA, 2011. *Region IV Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September.
- USEPA, 2017. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January.

TABLES

TABLE 1: GROUNDWATER MONITORING LOCATION DETAILS
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida

Monitoring Location	Installation Date	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Designation
CCR Groundwater Monitoring Network								
MW-01	11/11/2015	464368.78	1589789.76	11.09	10.75	1.15	-8.85	Piezometer
MW-02	11/10/2015	464419.66	1592286.78	10.26	13.29	-2.71	-12.71	Background
MW-03	11/10/2015	464322.49	1594277.21	10.98	14.06	-8.94	-18.94	Background
MW-04	11/7/2015	464027.17	1591388.60	12.00	15.05	2.25	-7.75	Piezometer
MW-05	11/4/2015	463987.97	1592784.03	11.18	14.13	-1.97	-11.97	Piezometer
MW-06	11/17/2015	463858.80	1591389.13	24.18	23.82	-5.38	-15.38	Downgradient
MW-07	11/3/2015	463856.65	1592774.97	21.72	21.42	-7.88	-17.88	Downgradient
MW-08 ³	11/17/2015	461649.15	1590479.94	21.33	24.31	-8.39	-18.39	Downgradient
MW-08R ⁵	3/7/2022	461469.18	1590480.47	9.58	12.55	-8.35	-18.35	Downgradient
MW-09 ³	11/17/2015	460663.62	1590695.95	12.49	15.37	-6.73	-16.73	Downgradient
MW-09R ⁵	3/7/2022	460664.53	1590695.87	5.53	8.82	-6.48	-16.48	Downgradient
MW-10 ³	11/20/2015	461234.34	1592098.52	10.94	13.93	-8.67	-18.67	Downgradient
MW-10R ⁵	3/8/2022	461237.65	1592097.00	4.68	7.83	-8.99	-18.99	Downgradient
MW-11 ³	11/21/2015	462157.18	1593298.86	13.42	16.51	-6.49	-16.49	Downgradient
MW-11R ⁶	8/17/2022	462151.51	1593304.67	10.96	14.11	-7.04	-17.04	Downgradient
MW-12	11/11/2015	462362.00	1589322.96	8.21	11.14	-10.56	-20.56	Background
MW-13 ³	11/11/2015	462676.94	1590589.33	23.53	26.54	-6.36	-16.36	Downgradient
MW-13R ⁴	11/2/2021	462673.45	1590519.02	11.51	14.81	-7.50	-17.50	Downgradient
MW-14 ³	11/10/2015	460892.89	1590173.47	22.11	24.95	-5.69	-15.69	Downgradient
MW-14R ⁴	11/2/2021	460706.93	1590247.87	5.59	8.89	-6.25	-16.25	Downgradient
Groundwater Monitoring Locations for Delineation								
MWI-12A	Unknown	461669.34	1593482.68	Unknown	9.82	4.32	-5.68	Delineation Well
PZ-11D ³	12/5/2018	462128.91	1593287.38	10.55	13.51	-34.45	-44.45	Delineation Piezometer
PZ-13D ³	12/6/2018	462700.23	1590586.00	23.54	26.44	-20.46	-30.46	Delineation Piezometer
PZ-14	12/4/2018	462584.13	1590334.98	10.08	9.87	-4.92	-14.92	Delineation Piezometer

Notes:

- Northing and easting are in feet relative to the State Plane Florida North Datum of 1983.
- Elevations are in feet relative to the North American Vertical Datum of 1988.
- Monitoring well/piezometer was abandoned in August 2020 to facilitate CCR unit closure.
- Monitoring well was re-installed in November 2021 upon sufficient progression of CCR closure activities along the western perimeter of the Ash Pond to enable installation.
- Monitoring well was re-installed in March 2022 upon sufficient progression of CCR closure activities along the southern perimeter of the Ash Pond to enable installation.
- Monitoring well was re-installed in August 2022 upon sufficient progression of CCR closure activities.

TABLE 2: SUMMARY OF 2022 GROUNDWATER SAMPLING EVENTS
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida

Monitoring Location	2022 Semi-Annual Assessment Monitoring Event 1	2022 Semi-Annual Assessment Monitoring Event 2
MW-02	4/14/2022	9/1/2022
MW-03	4/14/2022	9/1/2022
MW-06	4/14/2022	9/2/2022
MW-07	4/14/2022	9/2/2022
MW-08R ³	4/14/2022	9/2/2022
MW-09R ³	4/14/2022	9/6/2022
MW-10R ³	4/14/2022	9/2/2022
MW-11R ^{4,5}	NI ⁶	9/2/2022
MW-12	4/14/2022	9/1/2022
MW-13R ²	4/15/2022	9/2/2022
MW-14R ²	4/15/2022	9/2/2022
MWI-12A	4/14/2022	9/2/2022
PZ-14	4/15/2022	9/6/2022

Notes:

1. Both assessment monitoring events include groundwater samples analyzed for CCR Rule Appendix III and Appendix IV constituents.
2. Monitoring well was re-installed in November 2021 upon sufficient progression of CCR closure activities along the western perimeter of the Ash Pond to enable installation.
3. Monitoring well was re-installed in March 2022 upon sufficient progression of CCR closure activities along the southern perimeter of the Ash Pond to enable installation.
4. Monitoring well was re-installed in August 2022 upon sufficient progression of CCR closure activities.
5. Monitoring well was sampled only as part of Assessment Monitoring Event 2.
6. NI indicates monitoring well not installed.

TABLE 3: SUMMARY OF 2022 GROUNDWATER LABORATORY ANALYTICAL DATA
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida

Monitoring Location	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-02	Background	4/14/2022	0.0015 U	0.0012 U	0.015	0.00092 U	0.024 I	0.00065 U	17	12	0.0019 I	0.00056 U	1.02	0.14 J3	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.90	0.00082 U	9.6	64	0.00046 U
MW-03	Background	4/14/2022	0.0015 U	0.0012 U	0.024	0.00092 U	0.0012 U	0.00065 U	2.8	16	0.0010 U	0.00056 U	1.93	0.070 U,J3	0.00081 U	0.010	0.00015 U	0.0013 U	4.85	0.00082 U	3.0 I	68	0.00046 U
MW-12	Background	4/14/2022	0.0015 U	0.0012 U	0.012	0.00092 U	0.076	0.00065 U	30	180	0.0010 U	0.00056 U	2.23	0.12 J3	0.00081 U	0.011	0.00015 U	0.0013 U	6.04	0.00082 U	18	480	0.00046 U
MW-06	Downgradient	4/14/2022	0.0015 U	0.0012 U	0.085	0.00092 U	7.2	0.00065 U	220	2,700	0.020 U	0.00056 U	24.9	0.070 U,J3	0.00081 U	0.098 U	0.00015 U	0.0013 U	5.52	0.00082 U	370	4,800	0.0092 U
MW-07	Downgradient	4/14/2022	0.0015 U	0.0012 U	0.12	0.00092 U	2.6	0.00065 U	340	2,900	0.020 U	0.00056 U	37.8	0.070 U,J3	0.00081 U	0.098 U	0.00015 U	0.0031 I	6.48	0.00082 U	520	5,100	0.0092 U
MW-08R ⁹	Downgradient	4/14/2022	0.0015 U	0.0012 U	0.070 U	0.00092 U	18	0.00065 U	500	3,000	0.10 U	0.00056 U	25.2	0.070 U,J3	0.00081 U	0.49 U	0.00015 U	0.0013 U	6.08	0.00082 U	810	5,800	0.046 U
MW-09R ⁹	Downgradient	4/14/2022	0.0015 U	0.0013	0.11	0.00092 U	8.3	0.00065 U	260	1,800	0.040 U	0.00056 U	6.77	0.080 I,J3	0.00081 U	0.20 U	0.00015 U	0.0013 U	7.05	0.00082 U	530	3,600	0.018 U
MW-10R ⁹	Downgradient	4/14/2022	0.0015 U	0.0012 U	0.12	0.00092 U	9.3	0.00065 U	670	2,600	0.040 U	0.00056 U	17.6	0.090 I,J3	0.00081 U	0.20 U	0.00015 U	0.0013 U	6.76	0.00082 U	880	6,000	0.018 U
MW-13R ⁸	Downgradient	4/15/2022	0.0015 U	0.0020	0.063 I	0.00092 U	14	0.00065 U	470	3,500	0.098 I	0.00056 I	15.9	0.080 I,J3	0.00081 U	0.20 U	0.00015 U	0.0020 I	5.92	0.00082 U	610	6,800	0.018 U
MW-14R ⁸	Downgradient	4/15/2022	0.0015 U	0.0012 U	0.015	0.00092 U	1.8	0.00065 U	47	100	0.0050 U	0.00056 U	0.955	0.29 J3	0.00081 U	0.15	0.00015 U	0.0093 I	7.65	0.00082 U	140	140	0.0023 U
MWI-12A	Delineation	4/14/2022	0.0015 U	0.0012 I	0.065	0.00092 U	4.4	0.00065 U	78	200	0.010 U	0.00056 U	13.5	0.070 U,J3	0.00081 U	0.049 U	0.00015 U	0.013 I	5.94	0.00082 U	8.4	680	0.0046 U
PZ-14	Delineation	4/15/2022	0.0015 U	0.0039	0.14	0.00092 U	12	0.00065 U	730	2,200	0.040 U	0.00056 U	19.6	0.53 J3	0.00081 U	0.20 U	0.00015 U	0.0013 U	6.19	0.00082 U	1,600	5,900	0.018 U
Semi-Annual Assessment Monitoring Event 2																							
MW-02	Background	9/1/2022	0.0015 U	0.0012 U	0.014	0.00092 U	0.032 I	0.00065 U	9.7	8.5	0.0017 I	0.00056 U	1.40	0.14 U	0.00081 U	0.0049 U	0.00015 U	0.0013 U	5.73	0.00082 U	4.5 I	110	0.00046 U
MW-03	Background	9/1/2022	0.0015 U	0.0012 U	0.024	0.00092 U	0.0012 U	0.00065 U	2.9	12	0.0010 I	0.00056 U	1.98	0.14 U	0.00081 U	0.010	0.00015 U	0.0013 U	4.91	0.00082 U	1.4 I	56	0.00046 U
MW-12	Background	9/1/2022	0.0015 U	0.0012 U	0.012	0.00092 U	0.083	0.00065 U	31	160	0.001 U	0.00056 U	2.61	0.14 U	0.00081 U	0.012	0.00015 U	0.0013 U	6.00	0.00082 U	19	530	0.00046 U
MW-06	Downgradient	9/2/2022	0.0015 U	0.0012 U	0.065	0.00098 I	7.6	0.00065 U	230	2,300	0.0019 I	0.00056 U	24.4	0.14 U	0.00081 U	0.017	0.00015 U	0.0013 U	5.20	0.00082 U	390	5,200	0.00046 U
MW-07	Downgradient	9/2/2022	0.0015 U	0.0012 U	0.12	0.00092 U	3.0	0.00065 U	360	2,600	0.0040	0.00056 U	34.6	0.14 U	0.00081 U	0.0049 U	0.00015 U	0.0034 I	6.37	0.00082 U	580	6,100	0.00046 U
MW-08R ⁹	Downgradient	9/2/2022	0.0015 U	0.0020	0.054	0.00092 U	19	0.00065 U	460	2,400	0.13	0.00070 I	18.4	0.14 U	0.00081 U	0.0054	0.00015 U	0.0052 I	6.12	0.0012 I	910	5,700	0.00046 U
MW-09R ⁹	Downgradient	9/6/2022	0.0015 U	0.0049	0.085	0.00092 U	10	0.00065 U	240	1,700	0.0015 I	0.00056 U	9.71	0.14 U,J3	0.00081 U	0.0060	0.00015 U	0.0029 I	6.96	0.0022	620	4,200	0.00046 U
MW-10R ⁹	Downgradient	9/2/2022	0.0015 U	0.0012 U	0.091	0.00092 U	9.5	0.00065 U	620	2,200	0.0022 I	0.00056 U	14.9	0.14 U	0.00081 U	0.0064	0.00015 U	0.0013 U	6.49	0.00082 U	900	5,800	0.00046 U
MW-11R ¹⁰	Downgradient	9/2/2022	0.0015 U	0.0029	0.40	0.00092 U	3.3	0.00065 U	160	2,400	0.0063	0.00056 U	17.3	0.43 I	0.00081 U	0.018	0.00015 U	0.0036 I	6.41	0.00089 I	350	4,600	0.00046 U
MW-13R ⁸	Downgradient	9/2/2022	0.0015 U	0.0051	0.053	0.00092 U	15	0.00065 U	390	3,000	0.45	0.0035	25.3	0.14 U	0.00081 U	0.0080	0.00015 U	0.0093 I	5.97	0.00082 U	600	6,000	0.00046 U
MW-14R ⁸	Downgradient	9/2/2022	0.0015 U	0.0012 U	0.016	0.00092 U	2.6	0.00065 U	54	130	0.0024 I	0.00056 U	1.70	0.33 I	0.00081 U	0.18	0.00015 U	0.0094 I	7.50	0.00082 U	140	660	0.00046 U
MWI-12A	Delineation	9/2/2022	0.0015 U	0.0017	0.054	0.00092 U	7.4	0.00065 U	90	150	0.0010 U	0.00056 U	8.76	0.14 U	0.00081 U	0.0049 U	0.00015 U	0.018	6.19	0.00082 U	170	680	0.00046 U
PZ-14	Delineation	9/6/2022	0.0015 U	0.0027	0.15	0.00092 U	12	0.00065 U	660	1,900	0.0024 I	0.00056 U	23.5	0.64 I,J3	0.00081 U	0.0049 U	0.00015 U	0.0013 U	6.25	0.00082 U	1,600	5,500	0.00046 U

Notes:

- "mg/L" indicates milligrams per liter, "pCi/L" indicates picocuries per liter, "SU" indicates standard units.
- "TDS" indicates total dissolved solids.
- "U" indicates analyte was analyzed but not detected.
- "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).
- "I" indicates that the reported value is between laboratory method detection limit and laboratory practical quantitation limit.
- "J3" indicates estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
- Data validation was performed on laboratory analytical results from both semi-annual assessment monitoring events in 2022 as described in the data validation reports included in Appendix A. Data validation flags are not included in Table 3.
- Total radium is defined as the combined concentrations of radium 226 and radium 228.
- Monitoring well was re-installed in November 2021 upon sufficient progression of CCR closure activities along the western perimeter of the Ash Pond to enable installation.
- Monitoring well was re-installed in March 2022 upon sufficient progression of CCR closure activities along the southern perimeter of the Ash Pond to enable installation.
- Monitoring well was re-installed in August 2022 upon sufficient progression of CCR closure activities.

TABLE 4: SUMMARY OF 2022 GROUNDWATER ELEVATIONS
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida

Monitoring Location	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-01	464368.78	1589789.76	10.75	4/14/2022	4.99	5.76
MW-02	464419.66	1592286.78	13.29	4/14/2022	5.06	8.23
MW-03	464322.49	1594277.21	14.06	4/14/2022	5.76	8.30
MW-04	464027.17	1591388.60	15.05	4/14/2022	6.50	8.55
MW-05	463987.97	1592784.03	14.13	4/14/2022	5.61	8.52
MW-06	463858.80	1591389.13	23.82	4/14/2022	15.28	8.54
MW-07	463856.65	1592774.97	21.42	4/14/2022	12.61	8.81
MW-08R ⁵	461469.18	1590480.47	12.55	4/14/2022	5.15	7.40
MW-09R ⁵	460664.53	1590695.87	8.82	4/14/2022	5.10	3.72
MW-10R ⁵	461237.65	1592097.00	7.83	4/14/2022	4.18	3.65
MW-12	462362.00	1589322.96	11.14	4/14/2022	9.65	1.49
MW-13R ⁴	462673.45	1590519.02	14.81	4/14/2022	6.13	8.68
MW-14R ⁴	460706.93	1590247.87	8.89	4/14/2022	6.04	2.85
MWI-12A	461669.34	1593482.68	9.82	4/14/2022	6.97	2.85
PZ-14	462584.13	1590334.98	9.87	4/14/2022	2.49	7.38

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.
4. Monitoring well was re-installed in November 2021 upon sufficient progression of CCR closure activities along the western perimeter of the Ash Pond to enable installation.
5. Monitoring well was re-installed in March 2022 upon sufficient progression of CCR closure activities along the southern perimeter of the Ash Pond to enable installation.

TABLE 4: SUMMARY OF 2022 GROUNDWATER ELEVATIONS
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida

Monitoring Location	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-01	464368.78	1589789.76	10.75	9/1/2022	4.94	5.81
MW-02	464419.66	1592286.78	13.29	9/1/2022	4.36	8.93
MW-03	464322.49	1594277.21	14.06	9/1/2022	5.46	8.60
MW-04	464027.17	1591388.60	15.05	9/1/2022	6.74	8.31
MW-05	463987.97	1592784.03	14.13	9/1/2022	5.69	8.44
MW-06	463858.80	1591389.13	23.82	9/1/2022	15.16	8.66
MW-07	463856.65	1592774.97	21.42	9/1/2022	12.47	8.95
MW-08R ⁵	461469.18	1590480.47	12.55	9/1/2022	4.09	8.46
MW-09R ⁵	460664.53	1590695.87	8.82	9/1/2022	4.22	4.60
MW-10R ⁵	461237.65	1592097.00	7.83	9/1/2022	3.26	4.57
MW-11R ⁶	462151.51	1593304.67	14.11	9/1/2022	8.80	5.31
MW-12	462362.00	1589322.96	11.14	9/1/2022	9.40	1.74
MW-13R ⁴	462673.45	1590519.02	14.81	9/1/2022	4.02	10.79
MW-14R ⁴	460706.93	1590247.87	8.89	9/1/2022	5.33	3.56
MWI-12A	461669.34	1593482.68	9.82	9/1/2022	6.82	3.00
PZ-14	462584.13	1590334.98	9.87	9/1/2022	1.82	8.05

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.
4. Monitoring well was re-installed in November 2021 upon sufficient progression of CCR closure activities along the western perimeter of the Ash Pond to enable installation.
5. Monitoring well was re-installed in March 2022 upon sufficient progression of CCR closure activities along the southern perimeter of the Ash Pond to enable installation.
6. Monitoring well was re-installed in August 2022 upon sufficient progression of CCR closure activities.

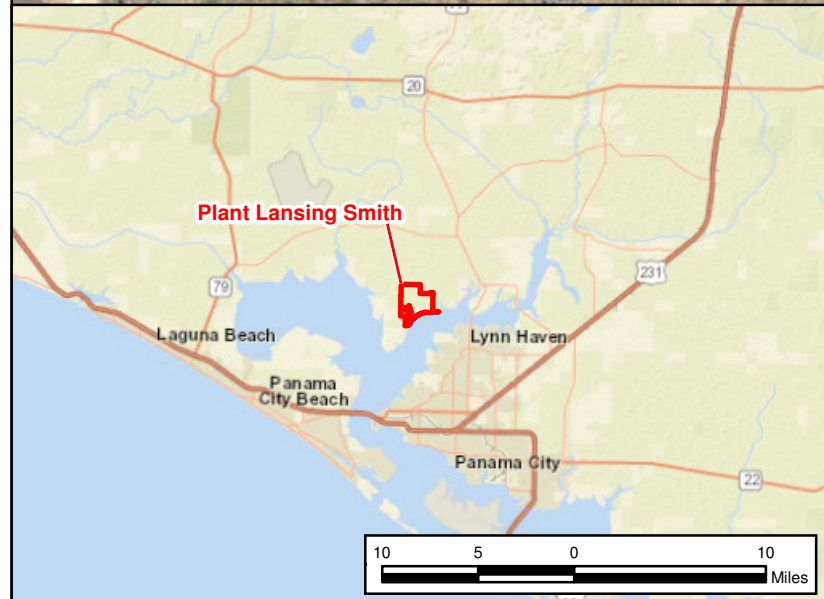
TABLE 5: SUMMARY OF BACKGROUND LIMITS AND GROUNDWATER PROTECTION STANDARDS
Florida Power & Light Company - Plant Smith Ash Pond, Bay County, Florida



Analyte	Units ¹	USEPA CCR Rule Specified Limit ¹	April 2022		September 2022	
			Background ³	Site-Specific GWPS ^{1,4}	Background ³	Site-Specific GWPS ^{1,4}
Antimony	mg/L	0.006	0.0025	0.006	0.0025	0.006
Arsenic	mg/L	0.01	0.0014	0.01	0.0014	0.01
Barium	mg/L	2	0.028	2	0.028	2
Beryllium	mg/L	0.004	0.0025	0.004	0.0025	0.004
Cadmium	mg/L	0.005	0.0025	0.005	0.0025	0.005
Chromium	mg/L	0.1	0.012	0.1	0.0074	0.1
Cobalt ²	mg/L	0.006	0.0025	0.006	0.0025	0.006
Fluoride	mg/L	4	0.28	4	0.28	4
Lead ²	mg/L	0.015	0.0013	0.015	0.0013	0.015
Lithium ²	mg/L	0.04	0.025	0.04	0.025	0.04
Mercury	mg/L	0.002	0.0002	0.002	0.0002	0.002
Molybdenum ²	mg/L	0.1	0.015	0.1	0.015	0.1
Selenium	mg/L	0.05	0.0013	0.05	0.0013	0.05
Thallium	mg/L	0.002	0.0005	0.002	0.0005	0.002
Total Radium - 226+228 ⁵	pCi/L	5	4.64	5	4.64	5

Notes:

- 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.
- USEPA CCR Rule Specified Limit established in the USEPA CCR Rule Amendment dated July 30, 2018.
- Background indicates the statistically derived upper tolerance limit.
- GWPS selected as the higher of the USEPA CCR Rule Specified Limit and background.
- Total Radium is defined as the combined concentrations of radium 226 and radium 228.

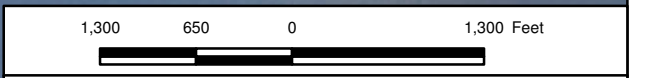
FIGURES



Legend	
	Approximate Ash Pond Boundary (CCR Unit)
	Approximate Property Boundary

Notes:

1. CCR indicates Coal Combustion Residuals.
2. Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
3. 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
 Florida Power & Light Company
 Plant Lansing Smith
 Bay County, Florida

		Figure 1
Pensacola, FL	January 2023	

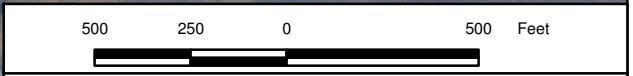


Legend

-  Replacement Downgradient Location
-  Downgradient Well Location
-  Background Well Location
-  Piezometer Location
-  Shallow Delineation Piezometer/Well
-  Approximate Location of Slurry Wall
-  Approximate Property Boundary
-  Approximate Ash Pond Boundary (CCR Unit)

Notes:

1. CCR indicates Coal Combustion Residuals.
2. Monitoring wells MW-08, MW-09, MW-10, MW-11, MW-13, MW-14 were abandoned in August 2020 to allow for CCR unit closure. The wells were replaced in November 2021 (MW-13R and MW-14R), March 2022 (MW-08R, MW-09R, and MW-10R), and August 2022 (MW-11R).
3. Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Well Locations
 Florida Power & Light Company
 Plant Lansing Smith
 Bay County, Florida

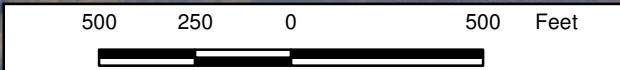
		Figure 2
Pensacola, FL	January 2023	



- Legend**
- Replacement Downgradient Location
 - Downgradient Well Location
 - Background Well Location
 - Shallow Delineation Piezometer/Well
 - - - - - Approximate Location of Slurry Wall
 - Approximate Property Boundary
 - Approximate Ash Pond Boundary (CCR Unit)

Notes:

- CCR indicates Coal Combustion Residuals.
- Monitoring wells MW-08, MW-09, MW-10, MW-11, MW-13, MW-14 were abandoned in August 2020 to allow for CCR unit closure. The wells were replaced in November 2021 (MW-13R and MW-14R), March 2022 (MW-08R, MW-09R, and MW-10R), and August 2022 (MW-11R).
- Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.










**Groundwater Sample Collection
Locations – April 2022**
Florida Power & Light Company
Plant Lansing Smith
Bay County, Florida

		<p>Figure 3</p>
Pensacola, FL	January 2023	

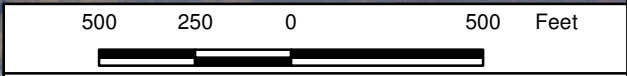


Legend

-  Replacement Downgradient Location
-  Downgradient Well Location
-  Background Well Location
-  Shallow Delineation Piezometer/Well
-  Approximate Location of Slurry Wall
-  Approximate Property Boundary
-  Approximate Ash Pond Boundary (CCR Unit)

Notes:

- CCR indicates Coal Combustion Residuals.
- Monitoring wells MW-08, MW-09, MW-10, MW-11, MW-13, MW-14 were abandoned in August 2020 to allow for CCR unit closure. The wells were replaced in November 2021 (MW-13R and MW-14R), March 2022 (MW-08R, MW-09R, and MW-10R), and August 2022 (MW-11R).
- Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Groundwater Sample Collection Locations – September 2022
 Florida Power & Light Company
 Plant Lansing Smith
 Bay County, Florida

Geosyntec consultants		Figure 4
Pensacola, FL	January 2023	

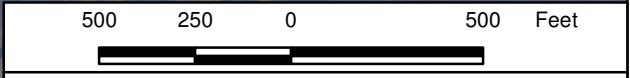


Legend

- Replacement Downgradient Location
- Downgradient Well Location
- Background Well Location
- Piezometer Location
- Shallow Delineation Piezometer/Well
- Inferred Groundwater Elevation Contour (ft NAVD88)
- Groundwater Flow Direction
- - - Approximate Location of Slurry Wall
- Approximate Property Boundary
- Approximate Ash Pond Boundary (CCR Unit)
- [7.40] Groundwater Elevation (ft NAVD88)

Notes:

1. CCR indicates Coal Combustion Residuals.
2. Water level measurements collected on 14 April 2022.
3. ft NAVD88 indicates feet North American Vertical Datum of 1988.
4. Monitoring wells MW-08, MW-09, MW-10, MW-11, MW-13, MW-14 were abandoned in August 2020 to allow for CCR unit closure. The wells were replaced in November 2021 (MW-13R and MW-14R), March 2022 (MW-08R, MW-09R, and MW-10R), and August 2022 (MW-11R).
5. *indicates contours represent groundwater and not the water contained within the lined ponds.
6. Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Groundwater Elevation Map
14 April 2022
 Florida Power & Light Company
 Plant Lansing Smith
 Bay County, Florida

Geosyntec
 consultants

Pensacola, FL January 2023

Figure
5



Legend

- Replacement Downgradient Location
- Downgradient Well Location
- Background Well Location
- Piezometer Location
- Shallow Delineation Piezometer/Well
- Inferred Groundwater Elevation Contour (ft NAVD88)
- Groundwater Flow Direction
- - - Approximate Location of Slurry Wall
- Approximate Property Boundary
- Approximate Ash Pond Boundary (CCR Unit)
- [8.46] Groundwater Elevation (ft NAVD88)

Notes:

1. CCR indicates Coal Combustion Residuals.
2. Water level measurements collected on 1 September 2022.
3. ft NAVD88 indicates feet North American Vertical Datum of 1988.
4. Monitoring wells MW-08, MW-09, MW-10, MW-11, MW-13, MW-14 were abandoned in August 2020 to allow for CCR unit closure. The wells were replaced in November 2021 (MW-13R and MW-14R), March 2022 (MW-08R, MW-09R, and MW-10R), and August 2022 (MW-11R).
5. *indicates contours represent groundwater and not the water contained within the lined ponds.
6. Aerial photography shown is blended from an aerial image provided by Florida Power & Light on 10/6/2022 and 2020 World Imagery by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

<p>500 250 0 500 Feet</p>	
<p>Groundwater Elevation Map 1 September 2022 Florida Power & Light Company Plant Lansing Smith Bay County, Florida</p>	
<p>Geosyntec consultants</p>	<p>Figure 6</p>
<p>Pensacola, FL</p>	<p>January 2023</p>

APPENDIX A

Laboratory Analytical, Field Sampling Reports, and April 2022 Data Validation Report

Low-Flow Test Report:

Test Date / Time: 4/14/2022 10:00:42 AM

Project: Smith Plant MW-02

Operator Name: Trevor Braddock

Location Name: MW-02 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 16 ft Total Depth: 26 ft Initial Depth to Water: 5.06 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 21 ft Estimated Total Volume Pumped: 22000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 2.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	--	--

Test Notes:

Sample time 1100

Weather Conditions:

Cloudy 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	
4/14/2022 10:00 AM	00:00	5.57 pH	21.72 °C	137.06 µS/cm	0.80 mg/L	4.12 NTU	49.2 mV	5.06 ft	400.00 ml/min
4/14/2022 10:05 AM	05:00	5.73 pH	19.79 °C	141.29 µS/cm	0.19 mg/L	5.62 NTU	25.3 mV	6.48 ft	400.00 ml/min
4/14/2022 10:10 AM	10:00	5.77 pH	19.71 °C	139.38 µS/cm	0.15 mg/L	5.63 NTU	16.9 mV	6.76 ft	400.00 ml/min
4/14/2022 10:15 AM	15:00	5.79 pH	19.76 °C	134.27 µS/cm	0.14 mg/L	6.85 NTU	12.5 mV	6.91 ft	400.00 ml/min
4/14/2022 10:20 AM	20:00	5.82 pH	20.00 °C	135.66 µS/cm	0.19 mg/L	6.42 NTU	9.5 mV	6.69 ft	400.00 ml/min
4/14/2022 10:25 AM	25:00	5.82 pH	19.73 °C	133.35 µS/cm	0.11 mg/L	5.74 NTU	6.1 mV	7.10 ft	400.00 ml/min
4/14/2022 10:30 AM	30:00	5.85 pH	19.82 °C	132.41 µS/cm	0.11 mg/L	4.89 NTU	2.8 mV	7.16 ft	400.00 ml/min
4/14/2022 10:35 AM	35:00	5.86 pH	19.84 °C	130.79 µS/cm	0.11 mg/L	3.23 NTU	-0.7 mV	7.21 ft	400.00 ml/min
4/14/2022 10:40 AM	40:00	5.89 pH	19.79 °C	136.11 µS/cm	0.10 mg/L	2.81 NTU	-2.8 mV	7.25 ft	400.00 ml/min
4/14/2022 10:45 AM	45:00	5.87 pH	19.80 °C	133.93 µS/cm	0.10 mg/L	2.57 NTU	-4.0 mV	7.31 ft	400.00 ml/min
4/14/2022 10:50 AM	50:00	5.89 pH	19.80 °C	131.16 µS/cm	0.10 mg/L	2.07 NTU	-7.4 mV	7.34 ft	400.00 ml/min
4/14/2022 10:55 AM	55:00	5.90 pH	19.83 °C	135.13 µS/cm	0.09 mg/L	1.98 NTU	-9.3 mV	7.36 ft	400.00 ml/min

Samples

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

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/14/2022 11:29:41 AM

Project: Smith Plant MW-03

Operator Name: Trevor Braddock

Location Name: Smith MW-3 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 23 ft Total Depth: 33 ft Initial Depth to Water: 5.76 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 28 ft Estimated Total Volume Pumped: 34000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

Test Notes:

Sample time 1300

Weather Conditions:

Cloudy 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	
4/14/2022 11:29 AM	00:00	4.97 pH	22.21 °C	62.51 µS/cm	0.80 mg/L	2.07 NTU	-3.2 mV	5.76 ft	400.00 ml/min
4/14/2022 11:34 AM	05:00	4.86 pH	20.39 °C	64.95 µS/cm	0.15 mg/L	1.75 NTU	1.9 mV	5.84 ft	400.00 ml/min
4/14/2022 11:39 AM	10:00	4.82 pH	20.64 °C	64.90 µS/cm	0.12 mg/L	1.65 NTU	6.1 mV	5.84 ft	400.00 ml/min
4/14/2022 11:44 AM	15:00	4.82 pH	20.60 °C	64.89 µS/cm	0.11 mg/L	9.23 NTU	8.2 mV	5.86 ft	400.00 ml/min
4/14/2022 11:49 AM	20:00	4.82 pH	20.61 °C	64.76 µS/cm	0.11 mg/L	23.10 NTU	9.7 mV	5.89 ft	400.00 ml/min
4/14/2022 11:54 AM	25:00	4.83 pH	20.71 °C	64.74 µS/cm	0.11 mg/L	26.10 NTU	10.6 mV	5.90 ft	400.00 ml/min
4/14/2022 11:59 AM	30:00	4.82 pH	20.68 °C	65.05 µS/cm	0.11 mg/L	20.30 NTU	11.8 mV	5.90 ft	400.00 ml/min
4/14/2022 12:04 PM	35:00	4.83 pH	20.71 °C	64.93 µS/cm	0.11 mg/L	21.40 NTU	12.5 mV	5.90 ft	400.00 ml/min
4/14/2022 12:09 PM	40:00	4.83 pH	20.45 °C	65.12 µS/cm	0.11 mg/L	11.90 NTU	13.2 mV	5.91 ft	400.00 ml/min
4/14/2022 12:14 PM	45:00	4.84 pH	20.69 °C	65.02 µS/cm	0.10 mg/L	10.10 NTU	14.0 mV	5.91 ft	400.00 ml/min
4/14/2022 12:19 PM	50:00	4.83 pH	20.64 °C	65.01 µS/cm	0.10 mg/L	8.79 NTU	14.8 mV	5.92 ft	400.00 ml/min
4/14/2022 12:24 PM	55:00	4.83 pH	20.65 °C	65.03 µS/cm	0.09 mg/L	7.95 NTU	15.9 mV	5.92 ft	400.00 ml/min
4/14/2022 12:29 PM	01:00:00	4.83 pH	20.65 °C	65.02 µS/cm	0.10 mg/L	5.91 NTU	16.1 mV	5.92 ft	400.00 ml/min

4/14/2022 12:34 PM	01:05:00	4.83 pH	20.64 °C	64.95 µS/cm	0.09 mg/L	6.06 NTU	16.8 mV	5.92 ft	400.00 ml/min
4/14/2022 12:39 PM	01:10:00	4.82 pH	20.67 °C	65.00 µS/cm	0.09 mg/L	5.07 NTU	17.6 mV	5.92 ft	400.00 ml/min
4/14/2022 12:44 PM	01:15:00	4.85 pH	20.70 °C	64.93 µS/cm	0.09 mg/L	4.26 NTU	17.2 mV	5.92 ft	400.00 ml/min
4/14/2022 12:49 PM	01:20:00	4.85 pH	20.78 °C	64.90 µS/cm	0.09 mg/L	4.32 NTU	17.5 mV	5.92 ft	400.00 ml/min
4/14/2022 12:54 PM	01:25:00	4.85 pH	20.82 °C	65.18 µS/cm	0.09 mg/L	4.39 NTU	17.8 mV	5.92 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/14/2022 10:12:55 AM

Project: Plant Smith CCR

Operator Name: Philip Evans

Location Name: Plant Smith MW-12 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 21.7 ft Total Depth: 31.7 ft Initial Depth to Water: 9.65 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 26.7 ft Estimated Total Volume Pumped: 31000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 6.8 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	--	--

Test Notes:

Sample time@ 1255. Pc 74.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/14/2022 10:12 AM	00:00	6.91 pH	21.81 °C	1,152.9 µS/cm	0.58 mg/L	38.80 NTU	93.3 mV	10.30 ft	200.00 ml/min
4/14/2022 10:17 AM	05:00	6.46 pH	21.90 °C	1,086.5 µS/cm	0.45 mg/L	51.90 NTU	35.4 mV	11.42 ft	200.00 ml/min
4/14/2022 10:22 AM	10:00	6.32 pH	22.00 °C	1,086.5 µS/cm	0.39 mg/L	64.70 NTU	18.7 mV	11.89 ft	200.00 ml/min
4/14/2022 10:27 AM	15:00	6.27 pH	22.08 °C	1,084.3 µS/cm	0.37 mg/L	73.40 NTU	11.2 mV	12.28 ft	200.00 ml/min
4/14/2022 10:32 AM	20:00	6.25 pH	21.98 °C	1,058.3 µS/cm	0.26 mg/L	86.60 NTU	6.0 mV	12.60 ft	200.00 ml/min
4/14/2022 10:37 AM	25:00	6.23 pH	21.95 °C	1,053.7 µS/cm	0.23 mg/L	74.90 NTU	3.0 mV	12.94 ft	200.00 ml/min
4/14/2022 10:42 AM	30:00	6.23 pH	21.99 °C	1,044.3 µS/cm	0.23 mg/L	60.50 NTU	0.9 mV	13.31 ft	200.00 ml/min
4/14/2022 10:47 AM	35:00	6.22 pH	21.95 °C	1,036.5 µS/cm	0.23 mg/L	55.10 NTU	-0.7 mV	13.62 ft	200.00 ml/min
4/14/2022 10:52 AM	40:00	6.22 pH	22.02 °C	1,032.0 µS/cm	0.21 mg/L	53.40 NTU	-2.1 mV	13.97 ft	200.00 ml/min
4/14/2022 10:57 AM	45:00	6.21 pH	22.04 °C	1,026.5 µS/cm	0.20 mg/L	48.20 NTU	-2.9 mV	14.28 ft	200.00 ml/min
4/14/2022 11:02 AM	50:00	6.21 pH	22.04 °C	1,017.8 µS/cm	0.20 mg/L	32.40 NTU	-3.4 mV	14.59 ft	200.00 ml/min
4/14/2022 11:07 AM	55:00	6.21 pH	22.08 °C	1,014.7 µS/cm	0.20 mg/L	31.60 NTU	-4.2 mV	14.88 ft	200.00 ml/min
4/14/2022 11:12 AM	01:00:00	6.19 pH	22.14 °C	997.62 µS/cm	0.20 mg/L	30.50 NTU	-4.2 mV	15.01 ft	200.00 ml/min
4/14/2022 11:17 AM	01:05:00	6.20 pH	22.17 °C	1,002.6 µS/cm	0.20 mg/L	29.00 NTU	-5.5 mV	15.15 ft	200.00 ml/min
4/14/2022 11:22 AM	01:10:00	6.20 pH	22.21 °C	996.34 µS/cm	0.19 mg/L	28.20 NTU	-6.1 mV	15.25 ft	200.00 ml/min

4/14/2022 11:27 AM	01:15:00	6.18 pH	22.22 °C	970.28 µS/cm	0.19 mg/L	26.00 NTU	-6.1 mV	15.36 ft	200.00 ml/min
4/14/2022 11:32 AM	01:20:00	6.17 pH	22.23 °C	990.62 µS/cm	0.19 mg/L	23.40 NTU	-7.4 mV	15.45 ft	200.00 ml/min
4/14/2022 11:37 AM	01:25:00	6.16 pH	22.21 °C	979.02 µS/cm	0.19 mg/L	21.90 NTU	-7.3 mV	15.58 ft	200.00 ml/min
4/14/2022 11:42 AM	01:30:00	6.16 pH	22.24 °C	949.55 µS/cm	0.19 mg/L	20.20 NTU	-8.4 mV	15.65 ft	200.00 ml/min
4/14/2022 11:47 AM	01:35:00	6.15 pH	22.21 °C	949.57 µS/cm	0.19 mg/L	18.30 NTU	-8.3 mV	15.78 ft	200.00 ml/min
4/14/2022 11:52 AM	01:40:00	6.15 pH	22.30 °C	969.45 µS/cm	0.19 mg/L	17.20 NTU	-10.7 mV	15.84 ft	200.00 ml/min
4/14/2022 11:57 AM	01:45:00	6.15 pH	22.31 °C	945.16 µS/cm	0.19 mg/L	16.00 NTU	-11.3 mV	15.92 ft	200.00 ml/min
4/14/2022 12:02 PM	01:50:00	6.13 pH	22.26 °C	923.02 µS/cm	0.19 mg/L	15.70 NTU	-10.4 mV	16.02 ft	200.00 ml/min
4/14/2022 12:07 PM	01:55:00	6.11 pH	22.32 °C	906.53 µS/cm	0.19 mg/L	15.20 NTU	-11.0 mV	16.10 ft	200.00 ml/min
4/14/2022 12:12 PM	02:00:00	6.09 pH	22.29 °C	917.51 µS/cm	0.19 mg/L	14.60 NTU	-11.4 mV	16.15 ft	200.00 ml/min
4/14/2022 12:17 PM	02:05:00	6.10 pH	22.27 °C	912.34 µS/cm	0.19 mg/L	13.50 NTU	-13.1 mV	16.22 ft	200.00 ml/min
4/14/2022 12:22 PM	02:10:00	6.10 pH	22.26 °C	899.03 µS/cm	0.19 mg/L	11.90 NTU	-13.6 mV	16.24 ft	200.00 ml/min
4/14/2022 12:27 PM	02:15:00	6.08 pH	22.22 °C	900.08 µS/cm	0.19 mg/L	11.30 NTU	-13.6 mV	16.28 ft	200.00 ml/min
4/14/2022 12:32 PM	02:20:00	6.08 pH	22.19 °C	890.19 µS/cm	0.18 mg/L	10.10 NTU	-14.0 mV	16.32 ft	200.00 ml/min
4/14/2022 12:37 PM	02:25:00	6.07 pH	22.19 °C	883.65 µS/cm	0.19 mg/L	9.82 NTU	-14.0 mV	16.36 ft	200.00 ml/min
4/14/2022 12:42 PM	02:30:00	6.05 pH	22.22 °C	858.64 µS/cm	0.18 mg/L	9.54 NTU	-13.6 mV	16.41 ft	200.00 ml/min
4/14/2022 12:47 PM	02:35:00	6.04 pH	22.32 °C	860.93 µS/cm	0.19 mg/L	9.36 NTU	-14.1 mV	16.45 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-12	Sample time@ 1255. Pc 74.

Low-Flow Test Report:

Test Date / Time: 4/14/2022 1:51:43 PM

Project: Plant Smith CCR

Operator Name: Philip Evans

Location Name: Plant Smith MW-06 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 29.2 ft Total Depth: 39.2 ft Initial Depth to Water: 15.28 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 34.2 ft Estimated Total Volume Pumped: 20000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 4.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
---	---	--

Test Notes:

Sample time @ 1445. Cloudy 74. DUP-01@ fake time 1345.

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	
4/14/2022 1:51 PM	00:00	6.67 pH	23.92 °C	7,469.8 µS/cm	0.96 mg/L	2.53 NTU	105.0 mV	16.30 ft	400.00 ml/min
4/14/2022 1:56 PM	05:00	6.17 pH	23.51 °C	7,416.9 µS/cm	0.30 mg/L	1.14 NTU	-69.7 mV	16.94 ft	400.00 ml/min
4/14/2022 2:01 PM	10:00	5.94 pH	23.49 °C	7,437.8 µS/cm	0.24 mg/L	0.90 NTU	-75.6 mV	17.46 ft	400.00 ml/min
4/14/2022 2:06 PM	15:00	5.85 pH	23.53 °C	7,525.6 µS/cm	0.20 mg/L	0.63 NTU	-103.4 mV	17.89 ft	400.00 ml/min
4/14/2022 2:11 PM	20:00	5.76 pH	23.55 °C	7,693.5 µS/cm	0.18 mg/L	0.58 NTU	-133.7 mV	18.22 ft	400.00 ml/min
4/14/2022 2:16 PM	25:00	5.69 pH	23.55 °C	7,759.9 µS/cm	0.17 mg/L	0.55 NTU	-191.9 mV	18.44 ft	400.00 ml/min
4/14/2022 2:21 PM	30:00	5.64 pH	23.59 °C	7,819.4 µS/cm	0.17 mg/L	0.52 NTU	-239.4 mV	18.61 ft	400.00 ml/min
4/14/2022 2:26 PM	35:00	5.61 pH	23.61 °C	7,893.2 µS/cm	0.16 mg/L	0.50 NTU	-251.9 mV	19.12 ft	400.00 ml/min
4/14/2022 2:31 PM	40:00	5.57 pH	23.61 °C	7,981.1 µS/cm	0.16 mg/L	0.49 NTU	-256.3 mV	19.35 ft	400.00 ml/min
4/14/2022 2:36 PM	45:00	5.55 pH	23.65 °C	8,034.3 µS/cm	0.17 mg/L	0.46 NTU	-258.8 mV	19.48 ft	400.00 ml/min
4/14/2022 2:41 PM	50:00	5.52 pH	23.69 °C	8,102.6 µS/cm	0.17 mg/L	0.44 NTU	-260.9 mV	19.57 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-06	Sample time @ 1445. Cloudy 74. DUP-01@ fake time 1345.

Low-Flow Test Report:

Test Date / Time: 4/14/2022 3:31:57 PM

Project: Plant Smith CCR

Operator Name: Philip Evans

Location Name: Plant Smith MW-07 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 29.3 ft Total Depth: 39.3 ft Initial Depth to Water: 12.58 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 34.3 ft Estimated Total Volume Pumped: 24000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.49 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
---	---	--

Test Notes:

Sample time @ 1735. Pc 72. FB-01@ 1645. EB-01@ 1700.

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	
4/14/2022 3:31 PM	00:00	6.09 pH	23.87 °C	6,154.7 µS/cm	5.33 mg/L	20.70 NTU	-23.2 mV	13.02 ft	200.00 ml/min
4/14/2022 3:36 PM	05:00	6.08 pH	23.27 °C	9,107.1 µS/cm	0.37 mg/L	16.40 NTU	-236.9 mV	13.05 ft	200.00 ml/min
4/14/2022 3:41 PM	10:00	6.29 pH	23.24 °C	9,116.9 µS/cm	0.24 mg/L	13.00 NTU	-270.3 mV	13.07 ft	200.00 ml/min
4/14/2022 3:46 PM	15:00	6.37 pH	23.24 °C	9,127.6 µS/cm	0.20 mg/L	10.70 NTU	-275.0 mV	13.07 ft	200.00 ml/min
4/14/2022 3:51 PM	20:00	6.40 pH	23.24 °C	9,126.0 µS/cm	0.18 mg/L	9.90 NTU	-277.2 mV	13.07 ft	200.00 ml/min
4/14/2022 3:56 PM	25:00	6.40 pH	23.33 °C	9,131.6 µS/cm	0.17 mg/L	9.74 NTU	-278.6 mV	13.07 ft	200.00 ml/min
4/14/2022 4:01 PM	30:00	6.02 pH	23.42 °C	7,806.0 µS/cm	0.22 mg/L	9.56 NTU	-251.7 mV	13.07 ft	200.00 ml/min
4/14/2022 4:06 PM	35:00	6.32 pH	23.55 °C	9,130.7 µS/cm	0.17 mg/L	9.40 NTU	-282.0 mV	13.07 ft	200.00 ml/min
4/14/2022 4:11 PM	40:00	6.36 pH	23.53 °C	9,129.9 µS/cm	0.17 mg/L	9.27 NTU	-284.6 mV	13.07 ft	200.00 ml/min
4/14/2022 4:16 PM	45:00	6.39 pH	23.45 °C	9,140.1 µS/cm	0.17 mg/L	9.11 NTU	-287.4 mV	13.07 ft	200.00 ml/min
4/14/2022 4:21 PM	50:00	6.40 pH	23.43 °C	9,145.0 µS/cm	0.17 mg/L	8.93 NTU	-290.3 mV	13.07 ft	200.00 ml/min
4/14/2022 4:26 PM	55:00	6.41 pH	23.37 °C	9,159.9 µS/cm	0.17 mg/L	6.86 NTU	-293.3 mV	13.07 ft	200.00 ml/min
4/14/2022 4:31 PM	01:00:00	6.41 pH	23.34 °C	9,153.8 µS/cm	0.18 mg/L	5.79 NTU	-296.4 mV	13.07 ft	200.00 ml/min
4/14/2022 4:36 PM	01:05:00	6.42 pH	23.33 °C	9,167.2 µS/cm	0.18 mg/L	5.13 NTU	-299.6 mV	13.07 ft	200.00 ml/min
4/14/2022 4:41 PM	01:10:00	6.42 pH	23.32 °C	9,166.9 µS/cm	0.18 mg/L	4.58 NTU	-302.5 mV	13.07 ft	200.00 ml/min

4/14/2022 4:46 PM	01:15:00	6.42 pH	23.33 °C	9,171.8 µS/cm	0.18 mg/L	4.39 NTU	-304.9 mV	13.07 ft	200.00 ml/min
4/14/2022 4:51 PM	01:20:00	6.42 pH	23.34 °C	9,178.3 µS/cm	0.18 mg/L	4.15 NTU	-306.8 mV	13.07 ft	200.00 ml/min
4/14/2022 4:56 PM	01:25:00	6.43 pH	23.31 °C	9,179.2 µS/cm	0.18 mg/L	3.88 NTU	-308.2 mV	13.07 ft	200.00 ml/min
4/14/2022 5:01 PM	01:30:00	6.43 pH	23.29 °C	9,183.7 µS/cm	0.18 mg/L	3.24 NTU	-309.0 mV	13.07 ft	200.00 ml/min
4/14/2022 5:06 PM	01:35:00	6.44 pH	23.30 °C	9,187.9 µS/cm	0.18 mg/L	2.64 NTU	-309.7 mV	13.07 ft	200.00 ml/min
4/14/2022 5:11 PM	01:40:00	6.44 pH	23.29 °C	9,194.7 µS/cm	0.18 mg/L	2.55 NTU	-310.1 mV	13.07 ft	200.00 ml/min
4/14/2022 5:16 PM	01:45:00	6.45 pH	23.29 °C	9,202.4 µS/cm	0.18 mg/L	2.48 NTU	-310.3 mV	13.07 ft	200.00 ml/min
4/14/2022 5:21 PM	01:50:00	6.46 pH	23.26 °C	9,196.6 µS/cm	0.18 mg/L	2.27 NTU	-310.5 mV	13.07 ft	200.00 ml/min
4/14/2022 5:26 PM	01:55:00	6.47 pH	23.24 °C	9,201.9 µS/cm	0.18 mg/L	1.71 NTU	-310.3 mV	13.07 ft	200.00 ml/min
4/14/2022 5:31 PM	02:00:00	6.48 pH	23.20 °C	9,201.1 µS/cm	0.19 mg/L	1.84 NTU	-310.3 mV	13.07 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-07	Sample time @ 1735. Pc 72. FB-01@ 1645. EB-01@ 1700.

Low-Flow Test Report:

Test Date / Time: 4/14/2022 2:34:36 PM

Project: Smith Plant MW-08R

Operator Name: Trevor Braddock

Location Name: Smith Mw-08R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 18 ft Total Depth: 28 ft Initial Depth to Water: 5.12 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 23 ft Estimated Total Volume Pumped: 16000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 2.66 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

Test Notes:

Sample time 1515

Weather Conditions:

Cloudy 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	
4/14/2022 2:34 PM	00:00	6.39 pH	22.83 °C	9,062.3 µS/cm	1.16 mg/L	1.78 NTU	-198.2 mV	5.12 ft	400.00 ml/min
4/14/2022 2:39 PM	05:00	6.40 pH	21.02 °C	9,364.0 µS/cm	0.19 mg/L	1.86 NTU	-251.8 mV	7.04 ft	400.00 ml/min
4/14/2022 2:44 PM	10:00	6.29 pH	21.41 °C	9,825.0 µS/cm	0.16 mg/L	1.83 NTU	-205.1 mV	7.60 ft	400.00 ml/min
4/14/2022 2:49 PM	15:00	6.19 pH	21.81 °C	10,172 µS/cm	0.16 mg/L	1.49 NTU	-202.5 mV	7.51 ft	400.00 ml/min
4/14/2022 2:54 PM	20:00	6.14 pH	21.63 °C	10,400 µS/cm	0.16 mg/L	1.72 NTU	-200.5 mV	7.65 ft	400.00 ml/min
4/14/2022 2:59 PM	25:00	6.16 pH	21.42 °C	10,440 µS/cm	0.15 mg/L	2.19 NTU	-246.6 mV	7.75 ft	400.00 ml/min
4/14/2022 3:04 PM	30:00	6.11 pH	21.71 °C	10,534 µS/cm	0.15 mg/L	2.12 NTU	-200.0 mV	7.78 ft	400.00 ml/min
4/14/2022 3:09 PM	35:00	6.09 pH	21.83 °C	10,610 µS/cm	0.15 mg/L	2.22 NTU	-199.2 mV	7.78 ft	400.00 ml/min
4/14/2022 3:14 PM	40:00	6.08 pH	21.82 °C	10,633 µS/cm	0.15 mg/L	1.91 NTU	-198.4 mV	7.78 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/14/2022 1:43:45 PM

Project: Smith Plant MW-09R

Operator Name: Trevor Braddock

Location Name: Smith Mw-9R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 12 ft Total Depth: 22 ft Initial Depth to Water: 5.02 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 17 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 1.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	--	--

Test Notes:

Sample time 1410

Weather Conditions:

Cloudy 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	
4/14/2022 1:43 PM	00:00	6.79 pH	23.09 °C	6,801.9 µS/cm	1.32 mg/L	2.47 NTU	-48.0 mV	5.02 ft	400.00 ml/min
4/14/2022 1:48 PM	05:00	7.07 pH	20.84 °C	6,522.6 µS/cm	0.18 mg/L	3.91 NTU	-162.9 mV	6.32 ft	400.00 ml/min
4/14/2022 1:53 PM	10:00	7.07 pH	20.82 °C	6,655.3 µS/cm	0.14 mg/L	2.14 NTU	-183.6 mV	6.32 ft	400.00 ml/min
4/14/2022 1:58 PM	15:00	7.07 pH	20.80 °C	6,783.7 µS/cm	0.12 mg/L	1.47 NTU	-192.1 mV	6.32 ft	400.00 ml/min
4/14/2022 2:03 PM	20:00	7.07 pH	20.85 °C	6,796.0 µS/cm	0.11 mg/L	1.28 NTU	-198.2 mV	6.32 ft	400.00 ml/min
4/14/2022 2:08 PM	25:00	7.05 pH	20.85 °C	6,927.7 µS/cm	0.11 mg/L	1.26 NTU	-202.0 mV	6.32 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/14/2022 3:44:45 PM

Project: Smith Plant MW-10R

Operator Name: Trevor Braddock

Location Name: Smith MW-10R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 13.5 ft Total Depth: 23.5 ft Initial Depth to Water: 4.19 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 18.5 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 4.76 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

Test Notes:

Sample time 1615

Weather Conditions:

Cloudy 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	
4/14/2022 3:44 PM	00:00	6.63 pH	24.45 °C	9,027.2 µS/cm	3.64 mg/L	3.26 NTU	-167.4 mV	4.19 ft	400.00 ml/min
4/14/2022 3:49 PM	05:00	6.78 pH	21.42 °C	9,283.0 µS/cm	0.19 mg/L	4.80 NTU	-190.6 mV	6.73 ft	400.00 ml/min
4/14/2022 3:54 PM	10:00	6.78 pH	21.66 °C	9,262.1 µS/cm	0.14 mg/L	3.12 NTU	-147.4 mV	8.86 ft	400.00 ml/min
4/14/2022 3:59 PM	15:00	6.78 pH	21.75 °C	9,262.3 µS/cm	0.13 mg/L	2.50 NTU	-143.5 mV	8.91 ft	400.00 ml/min
4/14/2022 4:04 PM	20:00	6.77 pH	21.93 °C	9,270.1 µS/cm	0.12 mg/L	2.25 NTU	-142.2 mV	8.92 ft	400.00 ml/min
4/14/2022 4:09 PM	25:00	6.76 pH	21.91 °C	9,231.1 µS/cm	0.12 mg/L	1.93 NTU	-142.7 mV	8.95 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/15/2022 7:42:30 AM

Project: Smith Plant MW-13R

Operator Name: Trevor Braddock

Location Name: Smith MW-13R Latitude: 0 Longitude: 0 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 22.3 ft Total Depth: 32.3 ft Initial Depth to Water: 6.24 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 27.3 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 4.32 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	---	--

Test Notes:

Sample time 0815

Weather Conditions:

Cloudy 65

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/15/2022 7:42 AM	00:00	6.19 pH	19.87 °C	10,783 µS/cm	0.48 mg/L	16.90 NTU	17.0 mV	6.24 ft	400.00 ml/min
4/15/2022 7:47 AM	05:00	6.18 pH	20.08 °C	10,952 µS/cm	0.21 mg/L	5.62 NTU	-75.3 mV	9.02 ft	400.00 ml/min
4/15/2022 7:52 AM	10:00	6.10 pH	20.10 °C	11,104 µS/cm	0.19 mg/L	1.67 NTU	-111.8 mV	9.75 ft	400.00 ml/min
4/15/2022 7:57 AM	15:00	6.03 pH	20.17 °C	11,233 µS/cm	0.17 mg/L	1.21 NTU	-125.3 mV	10.21 ft	400.00 ml/min
4/15/2022 8:02 AM	20:00	5.99 pH	20.25 °C	11,251 µS/cm	0.16 mg/L	1.26 NTU	-131.2 mV	10.50 ft	400.00 ml/min
4/15/2022 8:07 AM	25:00	5.95 pH	20.26 °C	11,219 µS/cm	0.16 mg/L	1.05 NTU	-133.9 mV	10.53 ft	400.00 ml/min
4/15/2022 8:12 AM	30:00	5.92 pH	20.34 °C	11,405 µS/cm	0.16 mg/L	0.91 NTU	-135.8 mV	10.56 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/15/2022 8:45:40 AM

Project: Smith Plant MW-14R

Operator Name: Trevor Braddock

Location Name: Smith MW-14R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 15.1 ft Total Depth: 25.1 ft Initial Depth to Water: 6.12 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 20.1 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 1.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

Test Notes:

Sample time 0920

Weather Conditions:

Cloudy 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	
4/15/2022 8:45 AM	00:00	7.76 pH	21.27 °C	694.22 µS/cm	0.26 mg/L	7.96 NTU	-169.1 mV	6.12 ft	400.00 ml/min
4/15/2022 8:50 AM	05:00	7.73 pH	20.37 °C	724.26 µS/cm	0.16 mg/L	7.63 NTU	-164.6 mV	7.05 ft	400.00 ml/min
4/15/2022 8:55 AM	10:00	7.70 pH	20.41 °C	788.56 µS/cm	0.13 mg/L	6.03 NTU	-167.9 mV	7.09 ft	400.00 ml/min
4/15/2022 9:00 AM	15:00	7.69 pH	20.42 °C	807.06 µS/cm	0.11 mg/L	5.09 NTU	-171.4 mV	7.15 ft	400.00 ml/min
4/15/2022 9:05 AM	20:00	7.67 pH	20.50 °C	873.95 µS/cm	0.11 mg/L	5.07 NTU	-173.2 mV	7.19 ft	400.00 ml/min
4/15/2022 9:10 AM	25:00	7.66 pH	20.53 °C	877.51 µS/cm	0.10 mg/L	4.97 NTU	-174.3 mV	7.20 ft	400.00 ml/min
4/15/2022 9:15 AM	30:00	7.65 pH	20.60 °C	902.38 µS/cm	0.10 mg/L	4.92 NTU	-174.7 mV	7.20 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/14/2022 2:32:01 PM

Project: Smith Plant MWI-12A

Operator Name: Rick Hagendorfer

Location Name: MWI-12A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 5.5 ft Total Depth: 15.5 ft Initial Depth to Water: 6.97 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 10.5 ft Estimated Total Volume Pumped: 18760 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 3.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
--	---	--

Test Notes:

Weather Conditions:

Cloudy 73.6

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	
4/14/2022 2:32 PM	00:00	5.88 pH	24.92 °C	960.78 µS/cm	4.05 mg/L		24.5 mV	6.97 ft	400.00 ml/min
4/14/2022 2:37 PM	05:00	6.08 pH	19.86 °C	944.36 µS/cm	0.66 mg/L	7.81 NTU	19.7 mV	9.11 ft	400.00 ml/min
4/14/2022 2:42 PM	10:00	5.98 pH	19.72 °C	1,095.3 µS/cm	0.55 mg/L	1.23 NTU	21.8 mV	10.06 ft	400.00 ml/min
4/14/2022 2:47 PM	15:00	6.01 pH	19.95 °C	1,006.4 µS/cm	3.78 mg/L	0.59 NTU	25.1 mV	10.03 ft	400.00 ml/min
4/14/2022 2:52 PM	20:00	6.02 pH	19.91 °C	1,099.0 µS/cm	4.24 mg/L	0.64 NTU	22.2 mV	10.02 ft	400.00 ml/min
4/14/2022 2:57 PM	25:00	5.87 pH	19.85 °C	1,165.9 µS/cm	0.33 mg/L	0.89 NTU	16.0 mV	10.02 ft	400.00 ml/min
4/14/2022 3:02 PM	30:00	5.91 pH	19.68 °C	1,174.8 µS/cm	0.28 mg/L	0.80 NTU	15.9 mV	10.02 ft	400.00 ml/min
4/14/2022 3:08 PM	36:22	5.90 pH	19.86 °C	1,196.4 µS/cm	0.41 mg/L	0.63 NTU	13.7 mV	10.02 ft	400.00 ml/min
4/14/2022 3:08 PM	36:54	5.92 pH	19.89 °C	1,190.0 µS/cm	0.43 mg/L		14.6 mV	10.02 ft	400.00 ml/min
4/14/2022 3:13 PM	41:54	5.92 pH	19.76 °C	1,175.7 µS/cm	0.53 mg/L	0.40 NTU	10.8 mV	10.02 ft	400.00 ml/min
4/14/2022 3:18 PM	46:54	5.94 pH	19.74 °C	1,174.4 µS/cm	0.59 mg/L	0.41 NTU	9.1 mV	10.02 ft	400.00 ml/min

Samples

Sample ID:	Description:
MWI-12A	Sample time 1522.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/15/2022 7:37:01 AM

Project: Plant Smith CCR

Operator Name: Philip Evans

Location Name: Plant Smith PZ-14 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 15 ft Total Depth: 25 ft Initial Depth to Water: 2.41 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 20 ft Estimated Total Volume Pumped: 22000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 3.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	--	--

Test Notes:

Sample time @ 0835. Cloudy 70. DUP-02@ fake time 0735. EB-02@ 0732. FB-02@ 0840.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.2	
4/15/2022 7:37 AM	00:00	5.56 pH	19.63 °C	8,200.0 µS/cm	0.40 mg/L	4.32 NTU	132.1 mV	3.60 ft	400.00 ml/min
4/15/2022 7:42 AM	05:00	5.88 pH	19.90 °C	8,029.0 µS/cm	0.24 mg/L	3.55 NTU	107.3 mV	4.28 ft	400.00 ml/min
4/15/2022 7:47 AM	10:00	6.00 pH	19.94 °C	8,063.2 µS/cm	0.19 mg/L	3.14 NTU	88.1 mV	4.93 ft	400.00 ml/min
4/15/2022 7:52 AM	15:00	6.08 pH	19.99 °C	8,033.3 µS/cm	0.16 mg/L	2.88 NTU	60.7 mV	5.22 ft	400.00 ml/min
4/15/2022 7:57 AM	20:00	6.14 pH	20.01 °C	8,051.1 µS/cm	0.12 mg/L	2.45 NTU	13.0 mV	5.45 ft	400.00 ml/min
4/15/2022 8:02 AM	25:00	6.17 pH	20.02 °C	8,170.1 µS/cm	0.10 mg/L	2.16 NTU	-48.8 mV	5.61 ft	400.00 ml/min
4/15/2022 8:07 AM	30:00	6.19 pH	20.03 °C	8,225.5 µS/cm	0.09 mg/L	1.89 NTU	-127.0 mV	5.74 ft	400.00 ml/min
4/15/2022 8:12 AM	35:00	6.19 pH	20.03 °C	8,203.7 µS/cm	0.08 mg/L	1.66 NTU	-210.2 mV	5.76 ft	400.00 ml/min
4/15/2022 8:17 AM	40:00	6.19 pH	20.07 °C	8,311.7 µS/cm	0.08 mg/L	1.58 NTU	-253.1 mV	5.80 ft	400.00 ml/min
4/15/2022 8:22 AM	45:00	6.19 pH	20.12 °C	8,262.3 µS/cm	0.08 mg/L	1.70 NTU	-265.1 mV	5.84 ft	400.00 ml/min
4/15/2022 8:27 AM	50:00	6.19 pH	20.12 °C	8,305.8 µS/cm	0.08 mg/L	1.73 NTU	-272.7 mV	5.87 ft	400.00 ml/min
4/15/2022 8:32 AM	55:00	6.19 pH	20.14 °C	8,308.5 µS/cm	0.07 mg/L	1.86 NTU	-278.7 mV	5.91 ft	400.00 ml/min

Samples

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

PZ-14

Sample time @ 0835. Cloudy 70. DUP-02@ fake time 0735. EB-02@ 0732. FB-02@ 0840.

Created using VuSitu from In-Situ, Inc.

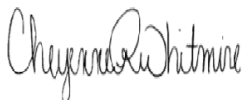
ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218547-1
Laboratory Sample Delivery Group: Upgradient A
Client Project/Site: CCR Smith Plant

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/4/2022 5:09:07 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	10
Chronicle	11
QC Association	13
QC Sample Results	16
Chain of Custody	23
Receipt Checklists	24
Certification Summary	25

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Job ID: 400-218547-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-218547-1

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

Metals

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-2 (400-218547-1), MW-3 (400-218547-2) and MW-12 (400-218547-3)

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-574678 and analytical batch 400-575098 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-574307 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-574314 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-574866 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-12 (400-218547-3). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-575087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-2

Lab Sample ID: 400-218547-1

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	0.024	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	17		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0019	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	64		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	12		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.14	J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	9.6		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: MW-3

Lab Sample ID: 400-218547-2

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
Calcium	2.8		0.25	0.13	mg/L	5		6020	Total Recoverable
Lithium	0.010		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	68		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	16		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	3.0	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.85				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 400-218547-3

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	0.076		0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	30		0.25	0.13	mg/L	5		6020	Total Recoverable
Lithium	0.011		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	480		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	180		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Fluoride	0.12	J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	18		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.04				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

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

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218547-1	MW-2	Water	04/14/22 11:00	04/15/22 15:50
400-218547-2	MW-3	Water	04/14/22 13:00	04/15/22 15:50
400-218547-3	MW-12	Water	04/14/22 12:55	04/15/22 15:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-2
Date Collected: 04/14/22 11:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-1
Matrix: Water

Method: 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		04/20/22 12:30	04/20/22 20:40	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:40	5
Barium	0.015		0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 17:59	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:40	5
Boron	0.024	I	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 17:59	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:40	5
Calcium	17		0.25	0.13	mg/L		04/20/22 12:30	04/21/22 17:59	5
Chromium	0.0019	I	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 17:59	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:40	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:40	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 17:59	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:40	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:40	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 17:59	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:31	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		5.0	5.0	mg/L			04/18/22 16:03	1
Chloride	12		2.0	1.4	mg/L			04/25/22 00:43	1
Fluoride	0.14	J3	0.10	0.070	mg/L			04/21/22 18:48	1
Sulfate	9.6		5.0	1.4	mg/L			04/25/22 05:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.90				SU			04/14/22 11:00	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-3
Date Collected: 04/14/22 13:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-2
Matrix: Water

Method: 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		04/20/22 12:30	04/20/22 20:43	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:43	5
Barium	0.024		0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 18:02	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:43	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 18:02	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:43	5
Calcium	2.8		0.25	0.13	mg/L		04/20/22 12:30	04/21/22 18:02	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 18:02	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:43	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:43	5
Lithium	0.010		0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 18:02	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:43	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:43	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 18:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	68		5.0	5.0	mg/L			04/18/22 15:53	1
Chloride	16		2.0	1.4	mg/L			04/25/22 00:43	1
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 18:52	1
Sulfate	3.0	I	5.0	1.4	mg/L			04/25/22 05:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.85				SU			04/14/22 13:00	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-12
Date Collected: 04/14/22 12:55
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-3
Matrix: Water

Method: 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		04/20/22 12:30	04/20/22 20:46	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:46	5
Barium	0.012		0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 18:06	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:46	5
Boron	0.076		0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 18:06	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:46	5
Calcium	30		0.25	0.13	mg/L		04/20/22 12:30	04/21/22 18:06	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 18:06	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:46	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:46	5
Lithium	0.011		0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 18:06	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:46	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:46	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 18:06	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:35	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	480		5.0	5.0	mg/L			04/18/22 15:53	1
Chloride	180		20	14	mg/L			04/25/22 00:55	10
Fluoride	0.12	J3	0.10	0.070	mg/L			04/21/22 19:20	1
Sulfate	18		5.0	1.4	mg/L			04/25/22 05:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.04				SU			04/14/22 12:55	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-2
Date Collected: 04/14/22 11:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:40	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574872	04/21/22 17:59	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:31	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		1	575083	04/25/22 00:43	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:48	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 11:00	EHS	TAL PEN

Client Sample ID: MW-3
Date Collected: 04/14/22 13:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:43	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574872	04/21/22 18:02	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:33	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		1	575083	04/25/22 00:43	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:52	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 13:00	EHS	TAL PEN

Client Sample ID: MW-12
Date Collected: 04/14/22 12:55
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:46	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574872	04/21/22 18:06	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:35	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		10	575083	04/25/22 00:55	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:20	KB	TAL PEN

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Client Sample ID: MW-12
Date Collected: 04/14/22 12:55
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 12:55	EHS	TAL PEN

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Metals

Leach Batch: 574196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 574566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total Recoverable	Water	3005A	
400-218547-2	MW-3	Total Recoverable	Water	3005A	
400-218547-3	MW-12	Total Recoverable	Water	3005A	
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-218560-H-6-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
400-218560-I-6-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	

Prep Batch: 574672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574196

Prep Batch: 574678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	7470A	
400-218547-2	MW-3	Total/NA	Water	7470A	
400-218547-3	MW-12	Total/NA	Water	7470A	
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 574685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total Recoverable	Water	6020	574566
400-218547-2	MW-3	Total Recoverable	Water	6020	574566
400-218547-3	MW-12	Total Recoverable	Water	6020	574566
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	6020	574566
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574566
400-218560-H-6-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	574566
400-218560-I-6-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	574566

Analysis Batch: 574872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total Recoverable	Water	6020	574566
400-218547-2	MW-3	Total Recoverable	Water	6020	574566
400-218547-3	MW-12	Total Recoverable	Water	6020	574566
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	6020	574566
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574566

Analysis Batch: 575098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	7470A	574678
400-218547-2	MW-3	Total/NA	Water	7470A	574678
400-218547-3	MW-12	Total/NA	Water	7470A	574678
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574672
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	574678

Eurofins Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Metals (Continued)

Analysis Batch: 575098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	574678
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	574678
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	574678

General Chemistry

Analysis Batch: 574307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-2	MW-3	Total/NA	Water	SM 2540C	
400-218547-3	MW-12	Total/NA	Water	SM 2540C	
MB 400-574307/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-574307/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-218547-2 DU	MW-3	Total/NA	Water	SM 2540C	

Analysis Batch: 574314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	SM 2540C	
MB 400-574314/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-574314/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-218548-B-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 574866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	SM 4500 F C	
400-218547-2	MW-3	Total/NA	Water	SM 4500 F C	
400-218547-3	MW-12	Total/NA	Water	SM 4500 F C	
MB 400-574866/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-574866/6	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 400-574866/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-218548-C-9 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-218548-C-9 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-218548-C-10 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-218548-C-10 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 575083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	SM 4500 CI- E	
400-218547-2	MW-3	Total/NA	Water	SM 4500 CI- E	
400-218547-3	MW-12	Total/NA	Water	SM 4500 CI- E	
MB 400-575083/6	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 400-575083/7	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
MRL 400-575083/3	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
400-218547-2 MS	MW-3	Total/NA	Water	SM 4500 CI- E	
400-218547-2 MSD	MW-3	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 575087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	SM 4500 SO4 E	
400-218547-2	MW-3	Total/NA	Water	SM 4500 SO4 E	
400-218547-3	MW-12	Total/NA	Water	SM 4500 SO4 E	
MB 400-575087/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

General Chemistry (Continued)

Analysis Batch: 575087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-575087/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-575087/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-218547-1 MS	MW-2	Total/NA	Water	SM 4500 SO4 E	
400-218547-1 MSD	MW-2	Total/NA	Water	SM 4500 SO4 E	
400-218547-2 MS	MW-3	Total/NA	Water	SM 4500 SO4 E	
400-218547-2 MSD	MW-3	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 573112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	Field Sampling	
400-218547-2	MW-3	Total/NA	Water	Field Sampling	
400-218547-3	MW-12	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-574566/1-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/20/22 12:30	04/20/22 19:22	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 19:22	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 19:22	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 19:22	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 19:22	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 19:22	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 19:22	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 19:22	5

Lab Sample ID: MB 400-574566/1-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	0.00070	U	0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 17:06	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 17:06	5
Calcium	0.13	U	0.25	0.13	mg/L		04/20/22 12:30	04/21/22 17:06	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 17:06	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 17:06	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 17:06	5

Lab Sample ID: LCS 400-574566/2-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0508		mg/L		102	80 - 120
Beryllium	0.0500	0.0496		mg/L		99	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Cobalt	0.0500	0.0525		mg/L		105	80 - 120
Lead	0.0500	0.0498		mg/L		100	80 - 120
Molybdenum	0.0500	0.0512		mg/L		102	80 - 120
Selenium	0.0500	0.0572		mg/L		114	80 - 120

Lab Sample ID: LCS 400-574566/2-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.0901		mg/L		90	80 - 120
Calcium	5.00	5.20		mg/L		104	80 - 120
Chromium	0.0500	0.0513		mg/L		103	80 - 120
Lithium	0.0500	0.0448		mg/L		90	80 - 120
Thallium	0.0100	0.0104		mg/L		104	80 - 120

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

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

Lab Sample ID: 400-218560-H-6-D MSD ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.0015	U	0.0500	0.0557		mg/L		111	75 - 125	4	20
Arsenic	0.0012	U	0.0500	0.0510		mg/L		102	75 - 125	1	20
Barium	0.11		0.0500	0.152		mg/L		79	75 - 125	1	20
Beryllium	0.00092	U	0.0500	0.0485		mg/L		97	75 - 125	2	20
Boron	0.15	V J3	0.100	0.219	V J3	mg/L		70	75 - 125	1	20
Cadmium	0.00065	U	0.0500	0.0512		mg/L		102	75 - 125	3	20
Calcium	130		5.00	132		mg/L		108	75 - 125	3	20
Chromium	0.0036	V	0.0500	0.0553		mg/L		103	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0516		mg/L		103	75 - 125	2	20
Lead	0.00081	U	0.0500	0.0493		mg/L		99	75 - 125	2	20
Lithium	0.0049	U	0.0500	0.0526		mg/L		105	75 - 125	1	20
Molybdenum	0.0013	U	0.0500	0.0539		mg/L		108	75 - 125	1	20
Selenium	0.00082	U	0.0500	0.0491		mg/L		98	75 - 125	5	20
Thallium	0.0018	V	0.0100	0.0113	V	mg/L		95	75 - 125	2	20

Lab Sample ID: 400-218560-I-6-E MS ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.0015	U	0.0500	0.0535		mg/L		107	75 - 125		
Arsenic	0.0012	U	0.0500	0.0514		mg/L		103	75 - 125		
Barium	0.11		0.0500	0.154		mg/L		83	75 - 125		
Beryllium	0.00092	U	0.0500	0.0493		mg/L		99	75 - 125		
Boron	0.15	V J3	0.100	0.222	V J3	mg/L		73	75 - 125		
Cadmium	0.00065	U	0.0500	0.0527		mg/L		105	75 - 125		
Calcium	130		5.00	129	J3	mg/L		39	75 - 125		
Chromium	0.0036	V	0.0500	0.0541		mg/L		101	75 - 125		
Cobalt	0.00056	U	0.0500	0.0505		mg/L		101	75 - 125		
Lead	0.00081	U	0.0500	0.0505		mg/L		101	75 - 125		
Lithium	0.0049	U	0.0500	0.0529		mg/L		106	75 - 125		
Molybdenum	0.0013	U	0.0500	0.0545		mg/L		109	75 - 125		
Selenium	0.00082	U	0.0500	0.0516		mg/L		103	75 - 125		
Thallium	0.0018	V	0.0100	0.0115	V	mg/L		98	75 - 125		

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 400-574196/1-D
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574672

Analyte	LB	LB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0012	U	0.0016	0.0012	mg/L		04/21/22 08:34	04/22/22 12:43	1

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

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

Lab Sample ID: MB 400-574678/14-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574678

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 10:44	1

Lab Sample ID: LCS 400-574678/15-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000941		mg/L		93	80 - 120

Lab Sample ID: 400-218596-F-1-E MS
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00333	J3	mg/L		166	80 - 120

Lab Sample ID: 400-218596-F-1-F MSD
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574678

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	0.00331	J3	mg/L		165	80 - 120	1	20

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

Lab Sample ID: MB 400-574307/1
Matrix: Water
Analysis Batch: 574307

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			04/18/22 15:53	1

Lab Sample ID: LCS 400-574307/2
Matrix: Water
Analysis Batch: 574307

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	270		mg/L		92	78 - 122

Lab Sample ID: 400-218547-2 DU
Matrix: Water
Analysis Batch: 574307

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	68		38.0	J3	mg/L		57	5

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

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

Lab Sample ID: MB 400-574314/1
Matrix: Water
Analysis Batch: 574314

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			04/18/22 16:03	1

Lab Sample ID: LCS 400-574314/2
Matrix: Water
Analysis Batch: 574314

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	288		mg/L		98	78 - 122

Lab Sample ID: 400-218548-B-2 DU
Matrix: Water
Analysis Batch: 574314

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	5800		6480	J3	mg/L		11	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-575083/6
Matrix: Water
Analysis Batch: 575083

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			04/25/22 00:43	1

Lab Sample ID: LCS 400-575083/7
Matrix: Water
Analysis Batch: 575083

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.1		mg/L		100	90 - 110

Lab Sample ID: MRL 400-575083/3
Matrix: Water
Analysis Batch: 575083

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	1.72	I	mg/L		86	50 - 150

Lab Sample ID: 400-218547-2 MS
Matrix: Water
Analysis Batch: 575083

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16		10.0	26.2		mg/L		98	73 - 120

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-218547-2 MSD
Matrix: Water
Analysis Batch: 575083

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16		10.0	26.0		mg/L		96	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-574866/3
Matrix: Water
Analysis Batch: 574866

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			04/21/22 18:06	1

Lab Sample ID: LCS 400-574866/6
Matrix: Water
Analysis Batch: 574866

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	5.79	J3	mg/L		116	90 - 110

Lab Sample ID: LCS 400-574866/7
Matrix: Water
Analysis Batch: 574866

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	5.47		mg/L		109	90 - 110

Lab Sample ID: 400-218548-C-9 MS
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.990		mg/L		99	75 - 125

Lab Sample ID: 400-218548-C-9 MSD
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.910	J3	mg/L		91	75 - 125	8	4

Lab Sample ID: 400-218548-C-10 MS
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	1.13		mg/L		113	75 - 125

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient A

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-218548-C-10 MSD
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.930	J3	mg/L		93	75 - 125	19	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-575087/5
Matrix: Water
Analysis Batch: 575087

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			04/25/22 05:28	1

Lab Sample ID: LCS 400-575087/6
Matrix: Water
Analysis Batch: 575087

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	14.3		mg/L		96	90 - 110

Lab Sample ID: MRL 400-575087/7
Matrix: Water
Analysis Batch: 575087

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	3.33	I	mg/L		67	50 - 150

Lab Sample ID: 400-218547-1 MS
Matrix: Water
Analysis Batch: 575087

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	9.6		10.0	19.0		mg/L		94	77 - 128

Lab Sample ID: 400-218547-1 MSD
Matrix: Water
Analysis Batch: 575087

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	9.6		10.0	18.9		mg/L		93	77 - 128	1	5

Lab Sample ID: 400-218547-2 MS
Matrix: Water
Analysis Batch: 575087

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	3.0	I	50.0	12.5	I J3	mg/L		19	77 - 128

QC Sample Results

Client: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218547-1
 SDG: Upgradient A

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-218547-2 MSD
Matrix: Water
Analysis Batch: 575087

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	3.0	I	50.0	12.5	I J3	mg/L		19	77 - 128	0	5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody Record

Client Information
 Client Contact: Kristi Mitchell
 Company: Gulf Power Company
 Address: BIN 731 One Energy Place
 City: Pensacola
 State, Zip: FL, 32520
 Phone: 850-444-6427 (Tel)
 Email: krmitch@southernco.com
 Project Name: CCR Smith Plant
 Site: *Upgradient A*

Sampler: *8-104 Colton Trevis*
Phone: *850-336-0192*
Lab PM: Whitmore, Cheyenne R
E-Mail: cheyenne.whitmore@testamericainc.com

Carrier Tracking No(s):
 COC No: 400-53432-23565.1
 Page: Page 1 of 2
 Job #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Analysis Requested		Special Instructions/Note:
					Field Filtered Sample (or No)	Field Sampling - Field Sampling Parameters	
MW-2	4-14-22	1100	G	Water	X		Total Number of Containers: 400-218547 COC Special Instructions/Note:
MW-3	4-14-22	1300	G	Water	X		
MW-6				Water			
MW-7				Water			
MW-8				Water			
MW-9				Water			
MW-10				Water			
MW-11				Water			
MW-12				Water			
MW-13	4-14-22	1255	G	Water	X		
MW-14				Water			
9315 Ra226, 9320 Ra228, Ra226Ra228 GPC SM4500 Cl-E - Chloride, SM4500 SO4-E - Sulfate, 2540C - Total Dissolved Solids, 4500 F-C - Fluoride 6020 - Sb, As, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Mo, Se, Ti, 7470A - Mercury							

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: *FW*
 Relinquished by: *FW*
 Relinquished by: *FW*

Received by: *ROH*
 Date/Time: 3-15-22 1550
 Company: *ROH*

Received by: *FW*
 Date/Time: 4-15-22 1550
 Company: *FW*

Received by: *FW*
 Date/Time: 4-15-22 1550
 Company: *FW*

Cooler Temperature(s) °C and Other Remarks: *2.7, 2.1, 1.6, 1.7°C*

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

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218547-1

SDG Number: Upgradient A

Login Number: 218547

List Number: 1

Creator: Whitley, Adrian

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	2.7, 2.1, 1.6, 1.7°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-1
SDG: Upgradient 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	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218547-2
Laboratory Sample Delivery Group: Upgradient A
Client Project/Site: CCR Smith Plant

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/20/2022 4:14:52 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	9
Chronicle	10
QC Association	11
QC Sample Results	12
Chain of Custody	14
Receipt Checklists	15
Certification Summary	16

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Job ID: 400-218547-2

Laboratory: Eurofins Pensacola

Narrative

**Job Narrative
400-218547-2**

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

RAD

Method 9315: Radium 226 batch 561918. 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-2 (400-218547-1), MW-3 (400-218547-2), MW-12 (400-218547-3), (LCS 160-561918/1-A), (LCSD 160-561918/2-A) and (MB 160-561918/22-A)

Method 9320: Radium-228 prep batch 160-561925. 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-2 (400-218547-1), MW-3 (400-218547-2), MW-12 (400-218547-3), (LCS 160-561925/1-A), (LCSD 160-561925/2-A) and (MB 160-561925/22-A)



Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218547-1	MW-2	Water	04/14/22 11:00	04/15/22 15:50
400-218547-2	MW-3	Water	04/14/22 13:00	04/15/22 15:50
400-218547-3	MW-12	Water	04/14/22 12:55	04/15/22 15:50

1

2

3

4

5

6

7

8

9

10

11

12

13

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Client Sample ID: MW-2
Date Collected: 04/14/22 11:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-1
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.01		0.187	0.208	1.00	0.122	pCi/L	04/25/22 08:44	05/18/22 14:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		40 - 110					04/25/22 08:44	05/18/22 14:23	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0115	U	0.227	0.227	1.00	0.407	pCi/L	04/25/22 09:22	05/11/22 13:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		40 - 110					04/25/22 09:22	05/11/22 13:01	1
Y Carrier	86.4		40 - 110					04/25/22 09:22	05/11/22 13:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.02		0.294	0.308	5.00	0.407	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Client Sample ID: MW-3

Lab Sample ID: 400-218547-2

Date Collected: 04/14/22 13:00

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.49		0.237	0.273	1.00	0.144	pCi/L	04/25/22 08:44	05/18/22 14:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		40 - 110					04/25/22 08:44	05/18/22 14:24	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.435		0.281	0.284	1.00	0.429	pCi/L	04/25/22 09:22	05/11/22 13:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		40 - 110					04/25/22 09:22	05/11/22 13:01	1
Y Carrier	83.7		40 - 110					04/25/22 09:22	05/11/22 13:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.93		0.368	0.394	5.00	0.429	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Client Sample ID: MW-12
Date Collected: 04/14/22 12:55
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-3
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.80		0.240	0.289	1.00	0.119	pCi/L	04/25/22 08:44	05/18/22 14:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		40 - 110					04/25/22 08:44	05/18/22 14:24	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.437		0.249	0.252	1.00	0.372	pCi/L	04/25/22 09:22	05/11/22 13:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		40 - 110					04/25/22 09:22	05/11/22 13:01	1
Y Carrier	87.1		40 - 110					04/25/22 09:22	05/11/22 13:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.23		0.346	0.383	5.00	0.372	pCi/L		05/19/22 16:43	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Client Sample ID: MW-2

Date Collected: 04/14/22 11:00

Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566206	05/18/22 14:23	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:01	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Client Sample ID: MW-3

Date Collected: 04/14/22 13:00

Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566379	05/18/22 14:24	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:01	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Client Sample ID: MW-12

Date Collected: 04/14/22 12:55

Date Received: 04/15/22 15:50

Lab Sample ID: 400-218547-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566379	05/18/22 14:24	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:01	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Laboratory References:

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

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Rad

Prep Batch: 561918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	PrecSep-21	
400-218547-2	MW-3	Total/NA	Water	PrecSep-21	
400-218547-3	MW-12	Total/NA	Water	PrecSep-21	
MB 160-561918/22-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-561918/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-561918/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 561925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-1	MW-2	Total/NA	Water	PrecSep_0	
400-218547-2	MW-3	Total/NA	Water	PrecSep_0	
400-218547-3	MW-12	Total/NA	Water	PrecSep_0	
MB 160-561925/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-561925/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-561925/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218547-2
SDG: Upgradient A

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-561918/22-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561918

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05827	U	0.0742	0.0744	1.00	0.123	pCi/L	04/25/22 08:44	05/18/22 16:35	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.0		40 - 110		04/25/22 08:44	05/18/22 16:35	1			

Lab Sample ID: LCS 160-561918/1-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.836		1.04	1.00	0.132	pCi/L	87	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	98.0		40 - 110						

Lab Sample ID: LCSD 160-561918/2-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-226	11.3	10.27		1.09	1.00	0.126	pCi/L	91	75 - 125	0.20	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	96.6		40 - 110								

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-561925/22-A
Matrix: Water
Analysis Batch: 564966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561925

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1887	U	0.243	0.244	1.00	0.404	pCi/L	04/25/22 09:22	05/11/22 13:03	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.0		40 - 110		04/25/22 09:22	05/11/22 13:03	1			
Y Carrier	86.0		40 - 110		04/25/22 09:22	05/11/22 13:03	1			

QC Sample Results

Client: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218547-2
 SDG: Upgradient A

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

Lab Sample ID: LCS 160-561925/1-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561925

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.63	8.967		1.05	1.00	0.324	pCi/L	104	75 - 125
LCS LCS									
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	98.0		40 - 110						
Y Carrier	88.2		40 - 110						

Lab Sample ID: LCSD 160-561925/2-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561925

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	8.63	9.264		1.09	1.00	0.369	pCi/L	107	75 - 125	0.14	1
LCSD LCSD											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	96.6		40 - 110								
Y Carrier	86.7		40 - 110								

Client Information
 Client Contact: Kristi Mitchell
 Company: Gulf Power Company
 Address: BIN 731 One Energy Place
 City: Pensacola
 State, Zip: FL, 32520
 Phone: 850-444-6427 (Tel)
 Email: krmitch@southernco.com
 Project Name: CCR Smith Plant
 Site: Upgradient A

Sampler: *8-104 Colton Trevis*
Phone: *850-336-0192*
Lab PM: Whitmore, Cheyenne R
E-Mail: cheyenne.whitmore@testamericainc.com

Carrier Tracking No(s): 400-53432-23565.1
Page: Page 1 of 2
Job #:

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order not required
WO #:
Project #: 40006609
SSOW #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (or No)	Field Sampling - Field Sampling Parameters	Analysis Requested	Special Instructions/Note
MW-2	4-14-22	1100	G	Water	X	9315 Ra226, 9320 Ra228, Ra226Ra228 GPC		
MW-3	4-14-22	1300	G	Water	X	SM4500 Cl-E - Chloride, SM4500 SO4-E - Sulfate, 2540C - Total Dissolved Solids, 4500 F - Fluoride		
MW-6				Water	X	6020 - Sb, As, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Mo, Se, Ti, 7470A - Mercury		
MW-7				Water				
MW-8				Water				
MW-9				Water				
MW-10				Water				
MW-11				Water				
MW-12	4-14-22	1255	G	Water	X	SM4500 Cl-E - Chloride, SM4500 SO4-E - Sulfate, 2540C - Total Dissolved Solids, 4500 F - Fluoride		
MW-13				Water				
MW-14				Water				

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: *FW*
Relinquished by: *ROH*
Relinquished by: *ROH*

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

Special Instructions/QC Requirements:

Method of Shipment:
 Received by: *ROH* Company
 Received by: *ROH* Company
 Received by: *ROH* Company

Cooler Temperature(s) °C and Other Remarks: *2.7, 2.1, 1.6, 1.7°C*

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218547-2

SDG Number: Upgradient A

Login Number: 218547

List Number: 1

Creator: Whitley, Adrian

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	2.7, 2.1, 1.6, 1.7°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218547-2
 SDG: Upgradient 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	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22
California	State	2886	07-01-22
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-22
HI - RadChem Recognition	State	n/a	06-30-22
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-22
MI - RadChem Recognition	State	9005	06-30-22
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-22
New Jersey	NELAP	MO002	06-30-22
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22
Texas	NELAP	T104704193	07-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	08-01-22
Virginia	NELAP	10310	06-14-22
Washington	State	C592	08-30-22
West Virginia DEP	State	381	10-31-22

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218548-1
Laboratory Sample Delivery Group: Downgradient B
Client Project/Site: CCR Smith Plant

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/4/2022 5:09:39 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	7
Sample Summary	8
Client Sample Results	9
Definitions	19
Chronicle	20
QC Association	24
QC Sample Results	29
Chain of Custody	37
Receipt Checklists	38
Certification Summary	39

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Job ID: 400-218548-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-218548-1

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

Metals

Method 6020: The ICV for batch 400-574685 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RSD 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. (ICV 400-574685/9)

Method 6020: The post digestion spike % recovery for Boron associated with batch 400-574685 was outside of control limits. The associated sample is: (400-218560-I-3-B SD ^25).

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-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), MW-07 (400-218548-5), MW-09R (400-218548-6), MW-14R (400-218548-7), DUP-01 (400-218548-8), EB-01 (400-218548-9) and FB-01 (400-218548-10)

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), MW-07 (400-218548-5), MW-09R (400-218548-6), MW-14R (400-218548-7), DUP-01 (400-218548-8), (CCB 400-574872/71) and (CCV 400-574872/70). Elevated reporting limits (RLs) are provided.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-574678, 400-574684 and 400-574853 and analytical batch 400-575098 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-574314 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-574866 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was 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-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), MW-07 (400-218548-5), MW-09R (400-218548-6), MW-14R (400-218548-7) and DUP-01 (400-218548-8). 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-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), MW-07 (400-218548-5), MW-09R (400-218548-6), MW-14R (400-218548-7) and DUP-01 (400-218548-8). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-575087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-575097 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-06

Lab Sample ID: 400-218548-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.085		0.050	0.014	mg/L	100		6020	Total Recoverable
Boron	7.2		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	220		5.0	2.5	mg/L	100		6020	Total Recoverable
Total Dissolved Solids	4800		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2700		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Sulfate	370		100	28	mg/L	20		SM 4500 SO4 E	Total/NA
Field pH	5.52				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-08R

Lab Sample ID: 400-218548-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	18		5.0	0.12	mg/L	500		6020	Total Recoverable
Calcium	500		25	13	mg/L	500		6020	Total Recoverable
Total Dissolved Solids	5800		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	3000		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Sulfate	810		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.08				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-10R

Lab Sample ID: 400-218548-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.12		0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	9.3		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	670		10	5.0	mg/L	200		6020	Total Recoverable
Total Dissolved Solids	6000		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2600		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Fluoride	0.090	I J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	880		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.76				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 400-218548-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0020		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.063	I	0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	14		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	470		10	5.0	mg/L	200		6020	Total Recoverable
Chromium	0.098	I	0.10	0.040	mg/L	200		6020	Total Recoverable
Cobalt	0.00056	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Molybdenum	0.0020	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	6800		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-13R (Continued)

Lab Sample ID: 400-218548-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3500		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Fluoride	0.080	I J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	610		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	5.92				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-07

Lab Sample ID: 400-218548-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.12		0.050	0.014	mg/L	100		6020	Total Recoverable
Boron	2.6		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	340		5.0	2.5	mg/L	100		6020	Total Recoverable
Molybdenum	0.0031	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5100		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2900		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Sulfate	520		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.48				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-09R

Lab Sample ID: 400-218548-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0013		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.11		0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	8.3		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	260		10	5.0	mg/L	200		6020	Total Recoverable
Total Dissolved Solids	3600		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	1800		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Fluoride	0.080	I J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	530		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	7.05				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-14R

Lab Sample ID: 400-218548-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.015		0.013	0.0035	mg/L	25		6020	Total Recoverable
Boron	1.8		0.25	0.0059	mg/L	25		6020	Total Recoverable
Calcium	47		1.3	0.63	mg/L	25		6020	Total Recoverable
Lithium	0.15		0.025	0.025	mg/L	25		6020	Total Recoverable
Molybdenum	0.0093	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	140		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	100		4.0	2.8	mg/L	2		SM 4500 Cl- E	Total/NA
Fluoride	0.29	J3	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	7.65				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: DUP-01

Lab Sample ID: 400-218548-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.078	I	0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	7.0		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	230		10	5.0	mg/L	200		6020	Total Recoverable
Total Dissolved Solids	4300		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2700		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Sulfate	370		100	28	mg/L	20		SM 4500 SO4 E	Total/NA
Field pH	5.52				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-01

Lab Sample ID: 400-218548-9

No Detections.

Client Sample ID: FB-01

Lab Sample ID: 400-218548-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

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

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218548-1	MW-06	Water	04/14/22 14:45	04/15/22 15:50
400-218548-2	MW-08R	Water	04/14/22 15:15	04/15/22 15:50
400-218548-3	MW-10R	Water	04/14/22 16:15	04/15/22 15:50
400-218548-4	MW-13R	Water	04/15/22 08:15	04/15/22 15:50
400-218548-5	MW-07	Water	04/14/22 17:35	04/15/22 15:50
400-218548-6	MW-09R	Water	04/14/22 14:10	04/15/22 15:50
400-218548-7	MW-14R	Water	04/15/22 09:20	04/15/22 15:50
400-218548-8	DUP-01	Water	04/14/22 13:45	04/15/22 15:50
400-218548-9	EB-01	Water	04/14/22 16:45	04/15/22 15:50
400-218548-10	FB-01	Water	04/14/22 17:00	04/15/22 15:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-06

Lab Sample ID: 400-218548-1

Date Collected: 04/14/22 14:45

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:02	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:02	5
Barium	0.085		0.050	0.014	mg/L		04/20/22 12:30	04/21/22 17:12	100
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:02	5
Boron	7.2		1.0	0.024	mg/L		04/20/22 12:30	04/21/22 17:12	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:02	5
Calcium	220		5.0	2.5	mg/L		04/20/22 12:30	04/21/22 17:12	100
Chromium	0.020	U	0.050	0.020	mg/L		04/20/22 12:30	04/21/22 17:12	100
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:02	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:02	5
Lithium	0.098	U	0.10	0.098	mg/L		04/20/22 12:30	04/21/22 17:12	100
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:02	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:02	5
Thallium	0.0092	U	0.010	0.0092	mg/L		04/20/22 12:30	04/21/22 17:12	100

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4800		50	50	mg/L			04/18/22 16:03	1
Chloride	2700		200	140	mg/L			04/25/22 01:06	100
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 19:17	1
Sulfate	370		100	28	mg/L			04/25/22 05:28	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.52				SU			04/14/22 14:45	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-08R

Lab Sample ID: 400-218548-2

Date Collected: 04/14/22 15:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:06	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:06	5
Barium	0.070	U	0.25	0.070	mg/L		04/20/22 12:30	04/21/22 17:16	500
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:06	5
Boron	18		5.0	0.12	mg/L		04/20/22 12:30	04/21/22 17:16	500
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:06	5
Calcium	500		25	13	mg/L		04/20/22 12:30	04/21/22 17:16	500
Chromium	0.10	U	0.25	0.10	mg/L		04/20/22 12:30	04/21/22 17:16	500
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:06	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:06	5
Lithium	0.49	U	0.50	0.49	mg/L		04/20/22 12:30	04/21/22 17:16	500
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:06	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:06	5
Thallium	0.046	U	0.050	0.046	mg/L		04/20/22 12:30	04/21/22 17:16	500

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5800		50	50	mg/L			04/18/22 16:03	1
Chloride	3000		200	140	mg/L			04/25/22 01:06	100
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 19:13	1
Sulfate	810		250	70	mg/L			04/25/22 05:28	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.08				SU			04/14/22 15:15	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-10R

Lab Sample ID: 400-218548-3

Date Collected: 04/14/22 16:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:09	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:09	5
Barium	0.12		0.10	0.028	mg/L		04/20/22 12:30	04/21/22 17:19	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:09	5
Boron	9.3		2.0	0.047	mg/L		04/20/22 12:30	04/21/22 17:19	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:09	5
Calcium	670		10	5.0	mg/L		04/20/22 12:30	04/21/22 17:19	200
Chromium	0.040	U	0.10	0.040	mg/L		04/20/22 12:30	04/21/22 17:19	200
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:09	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:09	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 12:30	04/21/22 17:19	200
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:09	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:09	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 12:30	04/21/22 17:19	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6000		50	50	mg/L			04/18/22 16:03	1
Chloride	2600		200	140	mg/L			04/25/22 01:06	100
Fluoride	0.090	I J3	0.10	0.070	mg/L			04/21/22 19:30	1
Sulfate	880		250	70	mg/L			04/25/22 05:28	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.76				SU			04/14/22 16:15	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-13R

Lab Sample ID: 400-218548-4

Date Collected: 04/15/22 08:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:18	5
Arsenic	0.0020		0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:18	5
Barium	0.063	I	0.10	0.028	mg/L		04/20/22 12:30	04/21/22 17:35	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:18	5
Boron	14		2.0	0.047	mg/L		04/20/22 12:30	04/21/22 17:35	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:18	5
Calcium	470		10	5.0	mg/L		04/20/22 12:30	04/21/22 17:35	200
Chromium	0.098	I	0.10	0.040	mg/L		04/20/22 12:30	04/21/22 17:35	200
Cobalt	0.00056	I	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:18	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:18	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 12:30	04/21/22 17:35	200
Molybdenum	0.0020	I	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:18	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:18	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 12:30	04/21/22 17:35	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 12:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6800		50	50	mg/L			04/18/22 16:03	1
Chloride	3500		200	140	mg/L			04/25/22 02:39	100
Fluoride	0.080	I J3	0.10	0.070	mg/L			04/21/22 19:33	1
Sulfate	610		250	70	mg/L			04/25/22 07:18	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.92				SU			04/15/22 08:15	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-07

Lab Sample ID: 400-218548-5

Date Collected: 04/14/22 17:35

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:21	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:21	5
Barium	0.12		0.050	0.014	mg/L		04/20/22 12:30	04/21/22 17:38	100
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:21	5
Boron	2.6		1.0	0.024	mg/L		04/20/22 12:30	04/21/22 17:38	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:21	5
Calcium	340		5.0	2.5	mg/L		04/20/22 12:30	04/21/22 17:38	100
Chromium	0.020	U	0.050	0.020	mg/L		04/20/22 12:30	04/21/22 17:38	100
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:21	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:21	5
Lithium	0.098	U	0.10	0.098	mg/L		04/20/22 12:30	04/21/22 17:38	100
Molybdenum	0.0031	I	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:21	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:21	5
Thallium	0.0092	U	0.010	0.0092	mg/L		04/20/22 12:30	04/21/22 17:38	100

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 12:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5100		50	50	mg/L			04/18/22 16:03	1
Chloride	2900		200	140	mg/L			04/25/22 01:06	100
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 19:35	1
Sulfate	520		250	70	mg/L			04/25/22 05:28	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.48				SU			04/14/22 17:35	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-09R

Lab Sample ID: 400-218548-6

Date Collected: 04/14/22 14:10

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:24	5
Arsenic	0.0013		0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:24	5
Barium	0.11		0.10	0.028	mg/L		04/20/22 12:30	04/21/22 17:42	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:24	5
Boron	8.3		2.0	0.047	mg/L		04/20/22 12:30	04/21/22 17:42	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:24	5
Calcium	260		10	5.0	mg/L		04/20/22 12:30	04/21/22 17:42	200
Chromium	0.040	U	0.10	0.040	mg/L		04/20/22 12:30	04/21/22 17:42	200
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:24	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:24	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 12:30	04/21/22 17:42	200
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:24	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:24	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 12:30	04/21/22 17:42	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 12:31	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3600		50	50	mg/L			04/18/22 16:03	1
Chloride	1800		100	70	mg/L			04/25/22 00:53	50
Fluoride	0.080	I J3	0.10	0.070	mg/L			04/21/22 19:24	1
Sulfate	530		250	70	mg/L			04/25/22 05:28	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.05				SU			04/14/22 14:10	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-14R

Lab Sample ID: 400-218548-7

Date Collected: 04/15/22 09:20

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:27	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:27	5
Barium	0.015		0.013	0.0035	mg/L		04/20/22 12:30	04/21/22 17:45	25
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:27	5
Boron	1.8		0.25	0.0059	mg/L		04/20/22 12:30	04/21/22 17:45	25
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:27	5
Calcium	47		1.3	0.63	mg/L		04/20/22 12:30	04/21/22 17:45	25
Chromium	0.0050	U	0.013	0.0050	mg/L		04/20/22 12:30	04/21/22 17:45	25
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:27	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:27	5
Lithium	0.15		0.025	0.025	mg/L		04/20/22 12:30	04/21/22 17:45	25
Molybdenum	0.0093	I	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:27	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:27	5
Thallium	0.0023	U	0.0025	0.0023	mg/L		04/20/22 12:30	04/21/22 17:45	25

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 12:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		5.0	5.0	mg/L			04/18/22 16:03	1
Chloride	100		4.0	2.8	mg/L			04/25/22 03:16	2
Fluoride	0.29	J3	0.10	0.070	mg/L			04/21/22 18:33	1
Sulfate	140		25	7.0	mg/L			04/25/22 07:18	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.65				SU			04/15/22 09:20	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: DUP-01

Lab Sample ID: 400-218548-8

Date Collected: 04/14/22 13:45

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 12:30	04/20/22 20:30	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:30	5
Barium	0.078	I	0.10	0.028	mg/L		04/20/22 12:30	04/21/22 17:49	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:30	5
Boron	7.0		2.0	0.047	mg/L		04/20/22 12:30	04/21/22 17:49	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:30	5
Calcium	230		10	5.0	mg/L		04/20/22 12:30	04/21/22 17:49	200
Chromium	0.040	U	0.10	0.040	mg/L		04/20/22 12:30	04/21/22 17:49	200
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:30	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:30	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 12:30	04/21/22 17:49	200
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:30	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:30	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 12:30	04/21/22 17:49	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 12:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4300		50	50	mg/L			04/18/22 16:03	1
Chloride	2700		200	140	mg/L			04/25/22 01:06	100
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 18:56	1
Sulfate	370		100	28	mg/L			04/25/22 05:28	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.52				SU			04/14/22 13:45	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: EB-01
Date Collected: 04/14/22 16:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-9
Matrix: Water

Method: 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		04/20/22 12:30	04/20/22 20:33	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:33	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 17:52	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:33	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 17:52	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:33	5
Calcium	0.13	U	0.25	0.13	mg/L		04/20/22 12:30	04/21/22 17:52	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 17:52	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:33	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:33	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 17:52	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:33	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:33	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 17:52	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/22/22 08:14	04/22/22 14:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/18/22 16:03	1
Chloride	1.4	U	2.0	1.4	mg/L			04/25/22 00:45	1
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 18:20	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/25/22 05:28	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: FB-01
Date Collected: 04/14/22 17:00
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-10
Matrix: Water

Method: 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		04/20/22 12:30	04/20/22 20:36	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 20:36	5
Barium	0.00070	U	0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 17:55	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 20:36	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 17:55	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 20:36	5
Calcium	0.13	U	0.25	0.13	mg/L		04/20/22 12:30	04/21/22 17:55	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 17:55	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 20:36	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 20:36	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 17:55	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 20:36	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 20:36	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 17:55	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/22/22 08:14	04/22/22 14:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/18/22 16:03	1
Chloride	1.4	U	2.0	1.4	mg/L			04/25/22 00:45	1
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 19:06	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/25/22 05:28	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-06
Date Collected: 04/14/22 14:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:02	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		100	574872	04/21/22 17:12	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:37	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575083	04/25/22 01:06	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:17	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		20	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 14:45	EHS	TAL PEN

Client Sample ID: MW-08R
Date Collected: 04/14/22 15:15
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:06	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		500	574872	04/21/22 17:16	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:39	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575083	04/25/22 01:06	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:13	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		50	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 15:15	EHS	TAL PEN

Client Sample ID: MW-10R
Date Collected: 04/14/22 16:15
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:09	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 17:19	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:41	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575083	04/25/22 01:06	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:30	KB	TAL PEN

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-10R

Lab Sample ID: 400-218548-3

Date Collected: 04/14/22 16:15

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		50	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 16:15	EHS	TAL PEN

Client Sample ID: MW-13R

Lab Sample ID: 400-218548-4

Date Collected: 04/15/22 08:15

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:18	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 17:35	KIS	TAL PEN
Total/NA	Prep	7470A			574684	04/21/22 09:34	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 12:28	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575085	04/25/22 02:39	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:33	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		50	575097	04/25/22 07:18	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/15/22 08:15	EHS	TAL PEN

Client Sample ID: MW-07

Lab Sample ID: 400-218548-5

Date Collected: 04/14/22 17:35

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:21	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		100	574872	04/21/22 17:38	KIS	TAL PEN
Total/NA	Prep	7470A			574684	04/21/22 09:34	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 12:29	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575083	04/25/22 01:06	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:35	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		50	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 17:35	EHS	TAL PEN

Client Sample ID: MW-09R

Lab Sample ID: 400-218548-6

Date Collected: 04/14/22 14:10

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:24	KIS	TAL PEN

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: MW-09R

Lab Sample ID: 400-218548-6

Date Collected: 04/14/22 14:10

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 17:42	KIS	TAL PEN
Total/NA	Prep	7470A			574684	04/21/22 09:34	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 12:31	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		50	575083	04/25/22 00:53	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:24	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		50	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 14:10	EHS	TAL PEN

Client Sample ID: MW-14R

Lab Sample ID: 400-218548-7

Date Collected: 04/15/22 09:20

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:27	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		25	574872	04/21/22 17:45	KIS	TAL PEN
Total/NA	Prep	7470A			574684	04/21/22 09:34	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 12:33	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		2	575085	04/25/22 03:16	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:33	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	575097	04/25/22 07:18	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/15/22 09:20	EHS	TAL PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-218548-8

Date Collected: 04/14/22 13:45

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:30	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 17:49	KIS	TAL PEN
Total/NA	Prep	7470A			574684	04/21/22 09:34	NET	TAL PEN
Total/NA	Analysis	7470A		1	574979	04/22/22 12:39	DHW	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575083	04/25/22 01:06	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:56	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		20	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 13:45	EHS	TAL PEN

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Client Sample ID: EB-01

Lab Sample ID: 400-218548-9

Date Collected: 04/14/22 16:45

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:33	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574872	04/21/22 17:52	KIS	TAL PEN
Total/NA	Prep	7470A			574853	04/22/22 08:14	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 14:13	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	575083	04/25/22 00:45	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:20	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN

Client Sample ID: FB-01

Lab Sample ID: 400-218548-10

Date Collected: 04/14/22 17:00

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 20:36	KIS	TAL PEN
Total Recoverable	Prep	3005A			574566	04/20/22 12:30	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574872	04/21/22 17:55	KIS	TAL PEN
Total/NA	Prep	7470A			574853	04/22/22 08:14	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 14:14	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574314	04/18/22 16:03	VB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	575083	04/25/22 00:45	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:06	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN

Laboratory References:

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

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Metals

Leach Batch: 574196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 574566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total Recoverable	Water	3005A	
400-218548-2	MW-08R	Total Recoverable	Water	3005A	
400-218548-3	MW-10R	Total Recoverable	Water	3005A	
400-218548-4	MW-13R	Total Recoverable	Water	3005A	
400-218548-5	MW-07	Total Recoverable	Water	3005A	
400-218548-6	MW-09R	Total Recoverable	Water	3005A	
400-218548-7	MW-14R	Total Recoverable	Water	3005A	
400-218548-8	DUP-01	Total Recoverable	Water	3005A	
400-218548-9	EB-01	Total Recoverable	Water	3005A	
400-218548-10	FB-01	Total Recoverable	Water	3005A	
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-218560-H-6-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
400-218560-I-6-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	

Prep Batch: 574672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574196

Prep Batch: 574678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	7470A	
400-218548-2	MW-08R	Total/NA	Water	7470A	
400-218548-3	MW-10R	Total/NA	Water	7470A	
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 574684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-4	MW-13R	Total/NA	Water	7470A	
400-218548-5	MW-07	Total/NA	Water	7470A	
400-218548-6	MW-09R	Total/NA	Water	7470A	
400-218548-7	MW-14R	Total/NA	Water	7470A	
400-218548-8	DUP-01	Total/NA	Water	7470A	
MB 400-574684/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-574684/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-218612-I-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-218612-I-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 574685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total Recoverable	Water	6020	574566
400-218548-2	MW-08R	Total Recoverable	Water	6020	574566
400-218548-3	MW-10R	Total Recoverable	Water	6020	574566
400-218548-4	MW-13R	Total Recoverable	Water	6020	574566

Eurofins Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Metals (Continued)

Analysis Batch: 574685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-5	MW-07	Total Recoverable	Water	6020	574566
400-218548-6	MW-09R	Total Recoverable	Water	6020	574566
400-218548-7	MW-14R	Total Recoverable	Water	6020	574566
400-218548-8	DUP-01	Total Recoverable	Water	6020	574566
400-218548-9	EB-01	Total Recoverable	Water	6020	574566
400-218548-10	FB-01	Total Recoverable	Water	6020	574566
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	6020	574566
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574566
400-218560-H-6-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	574566
400-218560-I-6-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	574566

Prep Batch: 574853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-9	EB-01	Total/NA	Water	7470A	
400-218548-10	FB-01	Total/NA	Water	7470A	
MB 400-574853/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-574853/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-218778-F-7-B MS	Matrix Spike	Total/NA	Water	7470A	
400-218778-F-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 574872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total Recoverable	Water	6020	574566
400-218548-2	MW-08R	Total Recoverable	Water	6020	574566
400-218548-3	MW-10R	Total Recoverable	Water	6020	574566
400-218548-4	MW-13R	Total Recoverable	Water	6020	574566
400-218548-5	MW-07	Total Recoverable	Water	6020	574566
400-218548-6	MW-09R	Total Recoverable	Water	6020	574566
400-218548-7	MW-14R	Total Recoverable	Water	6020	574566
400-218548-8	DUP-01	Total Recoverable	Water	6020	574566
400-218548-9	EB-01	Total Recoverable	Water	6020	574566
400-218548-10	FB-01	Total Recoverable	Water	6020	574566
MB 400-574566/1-A ^5	Method Blank	Total Recoverable	Water	6020	574566
LCS 400-574566/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574566

Analysis Batch: 574979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-8	DUP-01	Total/NA	Water	7470A	574684

Analysis Batch: 575098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	7470A	574678
400-218548-2	MW-08R	Total/NA	Water	7470A	574678
400-218548-3	MW-10R	Total/NA	Water	7470A	574678
400-218548-4	MW-13R	Total/NA	Water	7470A	574684
400-218548-5	MW-07	Total/NA	Water	7470A	574684
400-218548-6	MW-09R	Total/NA	Water	7470A	574684
400-218548-7	MW-14R	Total/NA	Water	7470A	574684
400-218548-9	EB-01	Total/NA	Water	7470A	574853
400-218548-10	FB-01	Total/NA	Water	7470A	574853
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574672

Eurofins Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Metals (Continued)

Analysis Batch: 575098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	574678
MB 400-574684/14-A	Method Blank	Total/NA	Water	7470A	574684
MB 400-574853/14-A	Method Blank	Total/NA	Water	7470A	574853
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	574678
LCS 400-574684/15-A	Lab Control Sample	Total/NA	Water	7470A	574684
LCS 400-574853/15-A	Lab Control Sample	Total/NA	Water	7470A	574853
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	574678
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	574678
400-218612-I-1-B MS	Matrix Spike	Total/NA	Water	7470A	574684
400-218612-I-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	574684
400-218778-F-7-B MS	Matrix Spike	Total/NA	Water	7470A	574853
400-218778-F-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	574853

General Chemistry

Analysis Batch: 574314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	SM 2540C	
400-218548-2	MW-08R	Total/NA	Water	SM 2540C	
400-218548-3	MW-10R	Total/NA	Water	SM 2540C	
400-218548-4	MW-13R	Total/NA	Water	SM 2540C	
400-218548-5	MW-07	Total/NA	Water	SM 2540C	
400-218548-6	MW-09R	Total/NA	Water	SM 2540C	
400-218548-7	MW-14R	Total/NA	Water	SM 2540C	
400-218548-8	DUP-01	Total/NA	Water	SM 2540C	
400-218548-9	EB-01	Total/NA	Water	SM 2540C	
400-218548-10	FB-01	Total/NA	Water	SM 2540C	
MB 400-574314/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-574314/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-218548-2 DU	MW-08R	Total/NA	Water	SM 2540C	

Analysis Batch: 574866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	SM 4500 F C	
400-218548-2	MW-08R	Total/NA	Water	SM 4500 F C	
400-218548-3	MW-10R	Total/NA	Water	SM 4500 F C	
400-218548-4	MW-13R	Total/NA	Water	SM 4500 F C	
400-218548-5	MW-07	Total/NA	Water	SM 4500 F C	
400-218548-6	MW-09R	Total/NA	Water	SM 4500 F C	
400-218548-7	MW-14R	Total/NA	Water	SM 4500 F C	
400-218548-8	DUP-01	Total/NA	Water	SM 4500 F C	
400-218548-9	EB-01	Total/NA	Water	SM 4500 F C	
400-218548-10	FB-01	Total/NA	Water	SM 4500 F C	
MB 400-574866/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-574866/6	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 400-574866/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-218548-9 MS	EB-01	Total/NA	Water	SM 4500 F C	
400-218548-9 MSD	EB-01	Total/NA	Water	SM 4500 F C	
400-218548-10 MS	FB-01	Total/NA	Water	SM 4500 F C	
400-218548-10 MSD	FB-01	Total/NA	Water	SM 4500 F C	

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

General Chemistry

Analysis Batch: 575083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	SM 4500 Cl- E	
400-218548-2	MW-08R	Total/NA	Water	SM 4500 Cl- E	
400-218548-3	MW-10R	Total/NA	Water	SM 4500 Cl- E	
400-218548-5	MW-07	Total/NA	Water	SM 4500 Cl- E	
400-218548-6	MW-09R	Total/NA	Water	SM 4500 Cl- E	
400-218548-8	DUP-01	Total/NA	Water	SM 4500 Cl- E	
400-218548-9	EB-01	Total/NA	Water	SM 4500 Cl- E	
400-218548-10	FB-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-575083/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-575083/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-575083/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-218547-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-218547-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 575085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-4	MW-13R	Total/NA	Water	SM 4500 Cl- E	
400-218548-7	MW-14R	Total/NA	Water	SM 4500 Cl- E	
MB 400-575085/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-575085/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-575085/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-218557-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-218557-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 575087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	SM 4500 SO4 E	
400-218548-2	MW-08R	Total/NA	Water	SM 4500 SO4 E	
400-218548-3	MW-10R	Total/NA	Water	SM 4500 SO4 E	
400-218548-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
400-218548-6	MW-09R	Total/NA	Water	SM 4500 SO4 E	
400-218548-8	DUP-01	Total/NA	Water	SM 4500 SO4 E	
400-218548-9	EB-01	Total/NA	Water	SM 4500 SO4 E	
400-218548-10	FB-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-575087/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-575087/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-575087/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 575097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-4	MW-13R	Total/NA	Water	SM 4500 SO4 E	
400-218548-7	MW-14R	Total/NA	Water	SM 4500 SO4 E	
MB 400-575097/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-575097/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-575097/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-218544-A-7 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-218544-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Field Service / Mobile Lab

Analysis Batch: 573112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	Field Sampling	
400-218548-2	MW-08R	Total/NA	Water	Field Sampling	
400-218548-3	MW-10R	Total/NA	Water	Field Sampling	
400-218548-4	MW-13R	Total/NA	Water	Field Sampling	
400-218548-5	MW-07	Total/NA	Water	Field Sampling	
400-218548-6	MW-09R	Total/NA	Water	Field Sampling	
400-218548-7	MW-14R	Total/NA	Water	Field Sampling	
400-218548-8	DUP-01	Total/NA	Water	Field Sampling	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-574566/1-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/20/22 12:30	04/20/22 19:22	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 12:30	04/20/22 19:22	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 12:30	04/20/22 19:22	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 12:30	04/20/22 19:22	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 12:30	04/20/22 19:22	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 12:30	04/20/22 19:22	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 12:30	04/20/22 19:22	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 12:30	04/20/22 19:22	5

Lab Sample ID: MB 400-574566/1-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	0.00070	U	0.0025	0.00070	mg/L		04/20/22 12:30	04/21/22 17:06	5
Boron	0.0012	U	0.050	0.0012	mg/L		04/20/22 12:30	04/21/22 17:06	5
Calcium	0.13	U	0.25	0.13	mg/L		04/20/22 12:30	04/21/22 17:06	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 12:30	04/21/22 17:06	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 12:30	04/21/22 17:06	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 12:30	04/21/22 17:06	5

Lab Sample ID: LCS 400-574566/2-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0508		mg/L		102	80 - 120
Beryllium	0.0500	0.0496		mg/L		99	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Cobalt	0.0500	0.0525		mg/L		105	80 - 120
Lead	0.0500	0.0498		mg/L		100	80 - 120
Molybdenum	0.0500	0.0512		mg/L		102	80 - 120
Selenium	0.0500	0.0572		mg/L		114	80 - 120

Lab Sample ID: LCS 400-574566/2-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.0901		mg/L		90	80 - 120
Calcium	5.00	5.20		mg/L		104	80 - 120
Chromium	0.0500	0.0513		mg/L		103	80 - 120
Lithium	0.0500	0.0448		mg/L		90	80 - 120
Thallium	0.0100	0.0104		mg/L		104	80 - 120

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

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

Lab Sample ID: 400-218560-H-6-D MSD ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.0015	U	0.0500	0.0557		mg/L		111	75 - 125	4	20
Arsenic	0.0012	U	0.0500	0.0510		mg/L		102	75 - 125	1	20
Barium	0.11		0.0500	0.152		mg/L		79	75 - 125	1	20
Beryllium	0.00092	U	0.0500	0.0485		mg/L		97	75 - 125	2	20
Boron	0.15	V J3	0.100	0.219	V J3	mg/L		70	75 - 125	1	20
Cadmium	0.00065	U	0.0500	0.0512		mg/L		102	75 - 125	3	20
Calcium	130		5.00	132		mg/L		108	75 - 125	3	20
Chromium	0.0036	V	0.0500	0.0553		mg/L		103	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0516		mg/L		103	75 - 125	2	20
Lead	0.00081	U	0.0500	0.0493		mg/L		99	75 - 125	2	20
Lithium	0.0049	U	0.0500	0.0526		mg/L		105	75 - 125	1	20
Molybdenum	0.0013	U	0.0500	0.0539		mg/L		108	75 - 125	1	20
Selenium	0.00082	U	0.0500	0.0491		mg/L		98	75 - 125	5	20
Thallium	0.0018	V	0.0100	0.0113	V	mg/L		95	75 - 125	2	20

Lab Sample ID: 400-218560-I-6-E MS ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 574566

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	0.0015	U	0.0500	0.0535		mg/L		107	75 - 125	
Arsenic	0.0012	U	0.0500	0.0514		mg/L		103	75 - 125	
Barium	0.11		0.0500	0.154		mg/L		83	75 - 125	
Beryllium	0.00092	U	0.0500	0.0493		mg/L		99	75 - 125	
Boron	0.15	V J3	0.100	0.222	V J3	mg/L		73	75 - 125	
Cadmium	0.00065	U	0.0500	0.0527		mg/L		105	75 - 125	
Calcium	130		5.00	129	J3	mg/L		39	75 - 125	
Chromium	0.0036	V	0.0500	0.0541		mg/L		101	75 - 125	
Cobalt	0.00056	U	0.0500	0.0505		mg/L		101	75 - 125	
Lead	0.00081	U	0.0500	0.0505		mg/L		101	75 - 125	
Lithium	0.0049	U	0.0500	0.0529		mg/L		106	75 - 125	
Molybdenum	0.0013	U	0.0500	0.0545		mg/L		109	75 - 125	
Selenium	0.00082	U	0.0500	0.0516		mg/L		103	75 - 125	
Thallium	0.0018	V	0.0100	0.0115	V	mg/L		98	75 - 125	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 400-574196/1-D
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574672

Analyte	LB	LB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0012	U	0.0016	0.0012	mg/L		04/21/22 08:34	04/22/22 12:43	1

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

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

Lab Sample ID: MB 400-574678/14-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574678

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 10:44	1

Lab Sample ID: LCS 400-574678/15-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000941		mg/L		93	80 - 120

Lab Sample ID: 400-218596-F-1-E MS
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00333	J3	mg/L		166	80 - 120

Lab Sample ID: 400-218596-F-1-F MSD
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574678

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	0.00331	J3	mg/L		165	80 - 120	1	20

Lab Sample ID: MB 400-574684/14-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574684

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:34	04/22/22 11:43	1

Lab Sample ID: LCS 400-574684/15-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00118		mg/L		117	80 - 120

Lab Sample ID: 400-218612-I-1-B MS
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00336	J3	mg/L		167	80 - 120

Lab Sample ID: 400-218612-I-1-C MSD
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574684

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	0.00329	J3	mg/L		163	80 - 120	2	20

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-574853/14-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574853

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/22/22 08:14	04/22/22 13:26	1

Lab Sample ID: LCS 400-574853/15-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000973		mg/L		97	80 - 120

Lab Sample ID: 400-218778-F-7-B MS
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00284	J3	mg/L		141	80 - 120

Lab Sample ID: 400-218778-F-7-C MSD
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574853

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	0.00282	J3	mg/L		140	80 - 120	0	20

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

Lab Sample ID: MB 400-574314/1
Matrix: Water
Analysis Batch: 574314

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			04/18/22 16:03	1

Lab Sample ID: LCS 400-574314/2
Matrix: Water
Analysis Batch: 574314

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	288		mg/L		98	78 - 122

Lab Sample ID: 400-218548-2 DU
Matrix: Water
Analysis Batch: 574314

Client Sample ID: MW-08R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	5800		6480	J3	mg/L		11	5

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-575083/6
Matrix: Water
Analysis Batch: 575083

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			04/25/22 00:43	1

Lab Sample ID: LCS 400-575083/7
Matrix: Water
Analysis Batch: 575083

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.1		mg/L		100	90 - 110

Lab Sample ID: MRL 400-575083/3
Matrix: Water
Analysis Batch: 575083

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	1.72	I	mg/L		86	50 - 150

Lab Sample ID: 400-218547-B-2 MS
Matrix: Water
Analysis Batch: 575083

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	16		10.0	26.2		mg/L		98	73 - 120

Lab Sample ID: 400-218547-B-2 MSD
Matrix: Water
Analysis Batch: 575083

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	16		10.0	26.0		mg/L		96	73 - 120	1	8

Lab Sample ID: MB 400-575085/6
Matrix: Water
Analysis Batch: 575085

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			04/25/22 02:31	1

Lab Sample ID: LCS 400-575085/7
Matrix: Water
Analysis Batch: 575085

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.5		mg/L		102	90 - 110

Lab Sample ID: MRL 400-575085/3
Matrix: Water
Analysis Batch: 575085

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	1.80	I	mg/L		90	50 - 150

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 400-218557-A-2 MS
Matrix: Water
Analysis Batch: 575085

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	42		10.0	49.2		mg/L		75	73 - 120

Lab Sample ID: 400-218557-A-2 MSD
Matrix: Water
Analysis Batch: 575085

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	42		10.0	49.1		mg/L		74	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-574866/3
Matrix: Water
Analysis Batch: 574866

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			04/21/22 18:06	1

Lab Sample ID: LCS 400-574866/6
Matrix: Water
Analysis Batch: 574866

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	5.79	J3	mg/L		116	90 - 110

Lab Sample ID: LCS 400-574866/7
Matrix: Water
Analysis Batch: 574866

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	5.47		mg/L		109	90 - 110

Lab Sample ID: 400-218548-9 MS
Matrix: Water
Analysis Batch: 574866

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
Fluoride	0.070	U J3	1.00	0.990		mg/L		99	75 - 125

Lab Sample ID: 400-218548-9 MSD
Matrix: Water
Analysis Batch: 574866

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
Fluoride	0.070	U J3	1.00	0.910	J3	mg/L		91	75 - 125	8	4

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-218548-10 MS
Matrix: Water
Analysis Batch: 574866

Client Sample ID: FB-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 J3	1.00	1.13		mg/L		113	75 - 125

Lab Sample ID: 400-218548-10 MSD
Matrix: Water
Analysis Batch: 574866

Client Sample ID: FB-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 J3	1.00	0.930	J3	mg/L		93	75 - 125	19	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-575087/5
Matrix: Water
Analysis Batch: 575087

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			04/25/22 05:28	1

Lab Sample ID: LCS 400-575087/6
Matrix: Water
Analysis Batch: 575087

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	14.3		mg/L		96	90 - 110

Lab Sample ID: MRL 400-575087/7
Matrix: Water
Analysis Batch: 575087

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	3.33	I	mg/L		67	50 - 150

Lab Sample ID: 400-218547-B-1 MS
Matrix: Water
Analysis Batch: 575087

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	9.6		10.0	19.0		mg/L		94	77 - 128

Lab Sample ID: 400-218547-B-1 MSD
Matrix: Water
Analysis Batch: 575087

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	9.6		10.0	18.9		mg/L		93	77 - 128	1	5

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-1
SDG: Downgradient B

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-218547-B-2 MS
Matrix: Water
Analysis Batch: 575087

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	3.0	I	50.0	12.5	I J3	mg/L		19	77 - 128

Lab Sample ID: 400-218547-B-2 MSD
Matrix: Water
Analysis Batch: 575087

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	3.0	I	50.0	12.5	I J3	mg/L		19	77 - 128	0	5

Lab Sample ID: MB 400-575097/5
Matrix: Water
Analysis Batch: 575097

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			04/25/22 07:18	1

Lab Sample ID: LCS 400-575097/6
Matrix: Water
Analysis Batch: 575097

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		98	90 - 110

Lab Sample ID: MRL 400-575097/7
Matrix: Water
Analysis Batch: 575097

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	3.21	I	mg/L		64	50 - 150

Lab Sample ID: 400-218544-A-7 MS
Matrix: Water
Analysis Batch: 575097

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	11		10.0	16.9	J3	mg/L		61	77 - 128

Lab Sample ID: 400-218544-A-7 MSD
Matrix: Water
Analysis Batch: 575097

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	11		10.0	16.9	J3	mg/L		61	77 - 128	0	5

Chain of Custody Record



Client Information		Sampler: <i>R. V. Hager</i> / <i>101 PM / 10/10/22</i>		Lab PM: <i>Whitmore, Cheyenne R</i>	Carrier Tracking No(s): <i>400-110434-29464.1</i>
Client Contact: <i>Barry Evans</i>		Phone: <i>850-336-0192</i>		E-Mail: <i>Cheyenne.Whitmore@et.eurofins.com</i>	State of Origin:
Company: <i>Gulf Power Company</i>		PWSID:		COC No: <i>400-110434-29464.1</i>	
Address: <i>BIN 731 One Energy Place</i>		City: <i>Pensacola</i>		Page: <i>Page 1 of 1</i>	
State, Zip: <i>FL, 32520</i>		Compliance Project: <i>Δ Yes Δ No</i>		Job #:	
Phone: <i>850-444-6427(Tel)</i>		PO #: <i>2000393131</i>		Preservation Codes:	
Email: <i>Barry.Evans@nexteraenergy.com</i>		WO #: <i>3000004117</i>		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 - ADA 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 X - EDTA Z - other (specify)	
Project Name: <i>CCR Smith Plant</i>		Project #: <i>40006609</i>		Other:	
Site: <i>Florida</i>		SSOW#: <i>Dowgradient B</i>		Special Instructions/Note:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)		Field Sampling - Field Sampling Parameters		Total Number of Containers
					Field Filtered	Performance MS/N	SM4500_S04_E - Sulfate	SM4500_CL_E - Chloride	
MW-06	4-14-22	15:45	G	Water	X	X	X	X	
MW-08R	4-14-22	15:15	G	Water	X	X	X	X	
MW-10R	4-14-22	16:15	G	Water	X	X	X	X	
MW-13R	4-15-22	08:15	G	Water	X	X	X	X	
MW-07	4-14-22	17:35	G	Water	X	X	X	X	
MW-09R	4-14-22	14:10	G	Water	X	X	X	X	
MW-14R	4-15-22	09:20	G	Water	X	X	X	X	
<i>QWP-01</i>	4-14-22	13:45	G	Water	X	X	X	X	
<i>EB-01</i>	4-14-22	16:45	G	Water	X	X	X	X	
<i>FB-01</i>	4-14-22	17:00	G	Water	X	X	X	X	

400-218548 COC

Special Instructions/Note: *400-218548 COC*

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



Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218548-1
SDG Number: Downgradient B

Login Number: 218548

List Number: 1

Creator: Whitley, Adrian

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	1.6, 1.7, 2.1, 2.7°C IR9
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: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218548-1
 SDG: Downgradient B

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	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22



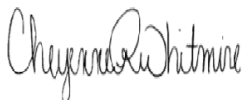
ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218548-2
Laboratory Sample Delivery Group: Downgradient B
Client Project/Site: CCR Smith Plant

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/20/2022 4:15:16 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	16
Chronicle	17
QC Association	20
QC Sample Results	21
Chain of Custody	24
Receipt Checklists	25
Certification Summary	26

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Job ID: 400-218548-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-218548-2

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

RAD

Method 9315: Radium-226 Batch 561511. 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-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), EB-01 (400-218548-9), FB-01 (400-218548-10), (LCS 160-561511/1-A), (LCSD 160-561511/2-A) and (MB 160-561511/18-A)

Method 9315: Radium 226 batch 561918. 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-07 (400-218548-5), MW-14R (400-218548-7), DUP-01 (400-218548-8), (LCS 160-561918/1-A), (LCSD 160-561918/2-A) and (MB 160-561918/22-A)

Method 9315: Radium 226 batch 561918. 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-09R (400-218548-6)

Method 9320: Radium-228 Batch 561523. 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-06 (400-218548-1), MW-08R (400-218548-2), MW-10R (400-218548-3), MW-13R (400-218548-4), EB-01 (400-218548-9), FB-01 (400-218548-10), (LCS 160-561523/1-A), (LCSD 160-561523/2-A) and (MB 160-561523/18-A)

Method 9320: Radium-228 prep batch 160-561925. 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-07 (400-218548-5), MW-09R (400-218548-6), MW-14R (400-218548-7), DUP-01 (400-218548-8), (LCS 160-561925/1-A), (LCSD 160-561925/2-A) and (MB 160-561925/22-A)

Method PrecSep_0: Radium-228 Prep Batch 160-561523. The following samples were prepared at a reduced aliquot due to Matrix: MW-06 (400-218548-1), MW-08R (400-218548-2) and MW-10R (400-218548-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 160-561925. The following samples were prepared at a reduced aliquot due to Matrix: MW-07 (400-218548-5), MW-09R (400-218548-6) and MW-14R (400-218548-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-561511. The following samples were prepared at a reduced aliquot due to Matrix: MW-06 (400-218548-1), MW-08R (400-218548-2) and MW-10R (400-218548-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-561918. The following samples were prepared at a reduced aliquot due to Matrix: MW-07 (400-218548-5), MW-09R (400-218548-6) and MW-14R (400-218548-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218548-1	MW-06	Water	04/14/22 14:45	04/15/22 15:50
400-218548-2	MW-08R	Water	04/14/22 15:15	04/15/22 15:50
400-218548-3	MW-10R	Water	04/14/22 16:15	04/15/22 15:50
400-218548-4	MW-13R	Water	04/15/22 08:15	04/15/22 15:50
400-218548-5	MW-07	Water	04/14/22 17:35	04/15/22 15:50
400-218548-6	MW-09R	Water	04/14/22 14:10	04/15/22 15:50
400-218548-7	MW-14R	Water	04/15/22 09:20	04/15/22 15:50
400-218548-8	DUP-01	Water	04/14/22 13:45	04/15/22 15:50
400-218548-9	EB-01	Water	04/14/22 16:45	04/15/22 15:50
400-218548-10	FB-01	Water	04/14/22 17:00	04/15/22 15:50

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

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-06
Date Collected: 04/14/22 14:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-1
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.78		0.663	1.10	1.00	0.188	pCi/L	04/21/22 12:55	05/17/22 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		40 - 110					04/21/22 12:55	05/17/22 08:26	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	15.1		0.995	1.71	1.00	0.419	pCi/L	04/21/22 16:22	05/10/22 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		40 - 110					04/21/22 16:22	05/10/22 12:35	1
Y Carrier	84.1		40 - 110					04/21/22 16:22	05/10/22 12:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	24.9		1.20	2.03	5.00	0.419	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-08R

Lab Sample ID: 400-218548-2

Date Collected: 04/14/22 15:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.68		0.634	1.01	1.00	0.182	pCi/L	04/21/22 12:55	05/17/22 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		40 - 110					04/21/22 12:55	05/17/22 08:26	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	16.5		1.06	1.85	1.00	0.530	pCi/L	04/21/22 16:22	05/10/22 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		40 - 110					04/21/22 16:22	05/10/22 12:37	1
Y Carrier	86.0		40 - 110					04/21/22 16:22	05/10/22 12:37	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	25.2		1.24	2.11	5.00	0.530	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-10R

Lab Sample ID: 400-218548-3

Date Collected: 04/14/22 16:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	4.53		0.449	0.606	1.00	0.192	pCi/L	04/21/22 12:55	05/17/22 10:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		40 - 110					04/21/22 12:55	05/17/22 10:15	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	13.0		0.911	1.51	1.00	0.473	pCi/L	04/21/22 16:22	05/10/22 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		40 - 110					04/21/22 16:22	05/10/22 12:37	1
Y Carrier	85.2		40 - 110					04/21/22 16:22	05/10/22 12:37	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	17.6		1.02	1.63	5.00	0.473	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-13R

Lab Sample ID: 400-218548-4

Date Collected: 04/15/22 08:15

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.33		0.493	0.824	1.00	0.128	pCi/L	04/21/22 12:55	05/17/22 10:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		40 - 110					04/21/22 12:55	05/17/22 10:16	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.56		0.642	1.02	1.00	0.345	pCi/L	04/21/22 16:22	05/10/22 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		40 - 110					04/21/22 16:22	05/10/22 12:37	1
Y Carrier	84.9		40 - 110					04/21/22 16:22	05/10/22 12:37	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	15.9		0.809	1.31	5.00	0.345	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-07

Lab Sample ID: 400-218548-5

Date Collected: 04/14/22 17:35

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	31.6		1.17	3.07	1.00	0.184	pCi/L	04/25/22 08:44	05/18/22 14:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		40 - 110					04/25/22 08:44	05/18/22 14:25	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.29		0.691	0.901	1.00	0.510	pCi/L	04/25/22 09:22	05/11/22 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		40 - 110					04/25/22 09:22	05/11/22 13:02	1
Y Carrier	86.0		40 - 110					04/25/22 09:22	05/11/22 13:02	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	37.8		1.36	3.20	5.00	0.510	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-09R

Lab Sample ID: 400-218548-6

Date Collected: 04/14/22 14:10

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.68		0.472	0.576	1.00	0.245	pCi/L	04/25/22 08:44	05/19/22 19:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.0		40 - 110					04/25/22 08:44	05/19/22 19:55	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.09		0.632	0.693	1.00	0.681	pCi/L	04/25/22 09:22	05/11/22 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.0		40 - 110					04/25/22 09:22	05/11/22 13:02	1
Y Carrier	86.0		40 - 110					04/25/22 09:22	05/11/22 13:02	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.77		0.789	0.901	5.00	0.681	pCi/L		05/20/22 11:13	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-14R

Lab Sample ID: 400-218548-7

Date Collected: 04/15/22 09:20

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.542		0.210	0.215	1.00	0.255	pCi/L	04/25/22 08:44	05/18/22 16:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		40 - 110					04/25/22 08:44	05/18/22 16:34	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.413	U	0.380	0.381	1.00	0.610	pCi/L	04/25/22 09:22	05/11/22 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		40 - 110					04/25/22 09:22	05/11/22 13:02	1
Y Carrier	86.0		40 - 110					04/25/22 09:22	05/11/22 13:02	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.955		0.434	0.437	5.00	0.610	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: DUP-01
Date Collected: 04/14/22 13:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-8
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.80		0.545	0.961	1.00	0.140	pCi/L	04/25/22 08:44	05/18/22 16:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					04/25/22 08:44	05/18/22 16:35	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	16.0		0.928	1.74	1.00	0.428	pCi/L	04/25/22 09:22	05/11/22 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					04/25/22 09:22	05/11/22 13:02	1
Y Carrier	84.9		40 - 110					04/25/22 09:22	05/11/22 13:02	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	24.8		1.08	1.99	5.00	0.428	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: EB-01

Lab Sample ID: 400-218548-9

Date Collected: 04/14/22 16:45

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.105	U	0.100	0.101	1.00	0.158	pCi/L	04/21/22 12:55	05/17/22 10:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		40 - 110					04/21/22 12:55	05/17/22 10:16	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.200	U	0.250	0.251	1.00	0.415	pCi/L	04/21/22 16:22	05/10/22 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		40 - 110					04/21/22 16:22	05/10/22 12:38	1
Y Carrier	84.5		40 - 110					04/21/22 16:22	05/10/22 12:38	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.305	U	0.269	0.271	5.00	0.415	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: FB-01

Lab Sample ID: 400-218548-10

Date Collected: 04/14/22 17:00

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0463	U	0.0702	0.0703	1.00	0.120	pCi/L	04/21/22 12:55	05/17/22 10:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		40 - 110					04/21/22 12:55	05/17/22 10:16	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.205	U	0.216	0.216	1.00	0.352	pCi/L	04/21/22 16:22	05/10/22 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		40 - 110					04/21/22 16:22	05/10/22 12:38	1
Y Carrier	84.5		40 - 110					04/21/22 16:22	05/10/22 12:38	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.251	U	0.227	0.227	5.00	0.352	pCi/L		05/17/22 16:44	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-06
Date Collected: 04/14/22 14:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566011	05/17/22 08:26	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564844	05/10/22 12:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: MW-08R
Date Collected: 04/14/22 15:15
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566011	05/17/22 08:26	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564845	05/10/22 12:37	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: MW-10R
Date Collected: 04/14/22 16:15
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 10:15	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564845	05/10/22 12:37	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: MW-13R
Date Collected: 04/15/22 08:15
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 10:16	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564845	05/10/22 12:37	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: MW-07
Date Collected: 04/14/22 17:35
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566379	05/18/22 14:25	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:02	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Client Sample ID: MW-09R
Date Collected: 04/14/22 14:10
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566441	05/19/22 19:55	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:02	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566598	05/20/22 11:13	CAH	TAL SL

Client Sample ID: MW-14R
Date Collected: 04/15/22 09:20
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566206	05/18/22 16:34	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:02	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Client Sample ID: DUP-01
Date Collected: 04/14/22 13:45
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218548-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566379	05/18/22 16:35	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:02	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Client Sample ID: EB-01

Lab Sample ID: 400-218548-9

Date Collected: 04/14/22 16:45

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 10:16	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564845	05/10/22 12:38	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: FB-01

Lab Sample ID: 400-218548-10

Date Collected: 04/14/22 17:00

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 10:16	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564845	05/10/22 12:38	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Laboratory References:

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

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Rad

Prep Batch: 561511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	PrecSep-21	
400-218548-2	MW-08R	Total/NA	Water	PrecSep-21	
400-218548-3	MW-10R	Total/NA	Water	PrecSep-21	
400-218548-4	MW-13R	Total/NA	Water	PrecSep-21	
400-218548-9	EB-01	Total/NA	Water	PrecSep-21	
400-218548-10	FB-01	Total/NA	Water	PrecSep-21	
MB 160-561511/18-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-561511/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-561511/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 561523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-1	MW-06	Total/NA	Water	PrecSep_0	
400-218548-2	MW-08R	Total/NA	Water	PrecSep_0	
400-218548-3	MW-10R	Total/NA	Water	PrecSep_0	
400-218548-4	MW-13R	Total/NA	Water	PrecSep_0	
400-218548-9	EB-01	Total/NA	Water	PrecSep_0	
400-218548-10	FB-01	Total/NA	Water	PrecSep_0	
MB 160-561523/18-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-561523/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-561523/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 561918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-5	MW-07	Total/NA	Water	PrecSep-21	
400-218548-6	MW-09R	Total/NA	Water	PrecSep-21	
400-218548-7	MW-14R	Total/NA	Water	PrecSep-21	
400-218548-8	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-561918/22-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-561918/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-561918/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 561925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218548-5	MW-07	Total/NA	Water	PrecSep_0	
400-218548-6	MW-09R	Total/NA	Water	PrecSep_0	
400-218548-7	MW-14R	Total/NA	Water	PrecSep_0	
400-218548-8	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-561925/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-561925/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-561925/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-561511/18-A
Matrix: Water
Analysis Batch: 566012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561511

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.07580	U	0.0742	0.0745	1.00	0.171	pCi/L	04/21/22 12:55	05/17/22 10:17	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110				04/21/22 12:55		05/17/22 10:17	1

Lab Sample ID: LCS 160-561511/1-A
Matrix: Water
Analysis Batch: 565445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561511

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.36		1.23	1.00	0.175	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	94.3		40 - 110						

Lab Sample ID: LCSD 160-561511/2-A
Matrix: Water
Analysis Batch: 565445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561511

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	11.01		1.21	1.00	0.159	pCi/L	97	75 - 125	0.14	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	94.3		40 - 110								

Lab Sample ID: MB 160-561918/22-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561918

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05827	U	0.0742	0.0744	1.00	0.123	pCi/L	04/25/22 08:44	05/18/22 16:35	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110				04/25/22 08:44		05/18/22 16:35	1

Lab Sample ID: LCS 160-561918/1-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.836		1.04	1.00	0.132	pCi/L	87	75 - 125

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

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

Lab Sample ID: LCS 160-561918/1-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561918

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.0		40 - 110

Lab Sample ID: LCSD 160-561918/2-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-226	11.3	10.27		1.09	1.00	0.126	pCi/L	91	75 - 125	0.20		1

	LCSD	LCSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	96.6		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-561523/18-A
Matrix: Water
Analysis Batch: 564845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561523

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Time	Time	Time	Time	
Radium-228	0.4821		0.253	0.257	1.00	0.372	pCi/L	04/21/22 16:22	05/10/22 12:38			1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Time	Time	
Ba Carrier	92.6		40 - 110	04/21/22 16:22	05/10/22 12:38	1
Y Carrier	84.5		40 - 110	04/21/22 16:22	05/10/22 12:38	1

Lab Sample ID: LCS 160-561523/1-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561523

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec	
									Limits	RER
Radium-228	8.63	8.973		1.05	1.00	0.357	pCi/L	104	75 - 125	

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.3		40 - 110
Y Carrier	87.5		40 - 110

Lab Sample ID: LCSD 160-561523/2-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561523

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-228	8.63	9.208		1.08	1.00	0.373	pCi/L	107	75 - 125	0.11		1

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

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

Lab Sample ID: LCSD 160-561523/2-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561523

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	94.3		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: MB 160-561925/22-A
Matrix: Water
Analysis Batch: 564966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561925

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.1887	U	0.243	0.244	1.00	0.404	pCi/L	04/25/22 09:22	05/11/22 13:03	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	97.0		40 - 110	04/25/22 09:22	05/11/22 13:03	1
Y Carrier	86.0		40 - 110	04/25/22 09:22	05/11/22 13:03	1

Lab Sample ID: LCS 160-561925/1-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561925

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

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	98.0		40 - 110
Y Carrier	88.2		40 - 110

Lab Sample ID: LCSD 160-561925/2-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561925

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

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	96.6		40 - 110
Y Carrier	86.7		40 - 110

Chain of Custody Record



Environment Testing
America

Client Information Client Contact: Barry Evans Company: Gulf Power Company Address: BIN 731 One Energy Place City: Pensacola State, Zip: FL, 32520 Phone: 850-444-6427(Tel) Email: Barry.Evans@nexteraenergy.com Project Name: CCR Smith Plant Site: Florida		Lab PM: Whitmire, Cheyenne R E-Mail: Cheyenne.Whitmire@et.eurofins.com Carrier Tracking No(s): State of Origin: Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 2000393131 WO #: 3000004117 Project #: 40006609 SSO#:		COC No: 400-110434-29464.1 Page: Page 1 of 1 Job #:	
PWSID: Matrix (Water, Solid, On-waste, A-B) Sample Type (C=Comp, G=grab) Sample Time Sample Date		Field Sampling - Field Sampling Parameters SM4500_Cl_E - Chloride 9315_Ra226_9320_Ra228_Ra226Ra228_GFPc SM4500_SO4_E - Sulfate 2540C - TDS 6020_7470A 4500_F_C - Fluoride	
Sample Identification MW-06 MW-08R MW-10R MW-13R MW-07 MW-09R MW-14R DWP-01 EB-01 FB-01		Total Number of Containers Special Instructions/Note: 400-218548 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 - ADA Other:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - PH 4-5 X - EDTA Z - other (specify)	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: Relinquished by: Relinquished by:		Method of Shipment: Date/Time: Date/Time: Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 15.50 1550 1550 1550	

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

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218548-2
SDG Number: Downgradient B

Login Number: 218548

List Number: 1

Creator: Whitley, Adrian

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	1.6, 1.7, 2.1, 2.7°C IR9
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: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218548-2
SDG: Downgradient B

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22
California	State	2886	07-01-22
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-22
HI - RadChem Recognition	State	n/a	06-30-22
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-22
MI - RadChem Recognition	State	9005	06-30-22
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-22
New Jersey	NELAP	MO002	06-30-22
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22
Texas	NELAP	T104704193	07-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	08-01-22
Virginia	NELAP	10310	06-14-22
Washington	State	C592	08-30-22
West Virginia DEP	State	381	10-31-22

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218545-1

Laboratory Sample Delivery Group: Horizontal Delineation Well
Client Project/Site: CCR Smith Plant

For:

Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/4/2022 5:06:44 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	13
Chronicle	14
QC Association	16
QC Sample Results	19
Chain of Custody	26
Receipt Checklists	27
Certification Summary	28

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Job ID: 400-218545-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-218545-1

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

Metals

Method 6020: The ICV for batch 400-574685 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RSD 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. (ICV 400-574685/9)

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. MWI-12A (400-218545-1), PZ-14 (400-218545-2), DUP-02 (400-218545-3), EB-02 (400-218545-4) and FB-02 (400-218545-5)

Method 6020: The CRI associated with batch 400-574990 recovered above the upper control limit for Boron. The samples associated with this CRI were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CRI 400-574990/12).

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-574678 and analytical batch 400-575098 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-574307 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-574866 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-574866 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MWI-12A (400-218545-1), PZ-14 (400-218545-2) and DUP-02 (400-218545-3). 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: PZ-14 (400-218545-2) and DUP-02 (400-218545-3). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-575097 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: MWI-12A

Lab Sample ID: 400-218545-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0012	I	0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.065		0.025	0.0070	mg/L	50		6020	Total Recoverable
Boron	4.4		0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	78		2.5	1.3	mg/L	50		6020	Total Recoverable
Molybdenum	0.013	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	680		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	200		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	8.4		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	5.94				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-14

Lab Sample ID: 400-218545-2

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	0.14		0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	12		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	730		10	5.0	mg/L	200		6020	Total Recoverable
Total Dissolved Solids	5900		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2200		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Fluoride	0.53	J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	1600		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.19				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-218545-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0032		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.14		0.10	0.028	mg/L	200		6020	Total Recoverable
Boron	12		2.0	0.047	mg/L	200		6020	Total Recoverable
Calcium	730		10	5.0	mg/L	200		6020	Total Recoverable
Total Dissolved Solids	5800		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2200		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Fluoride	0.52	J3	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	1600		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.19				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-02

Lab Sample ID: 400-218545-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0030	I V	0.010	0.00024	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: FB-02

Lab Sample ID: 400-218545-5

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

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

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218545-1	MWI-12A	Water	04/14/22 15:22	04/15/22 15:50
400-218545-2	PZ-14	Water	04/15/22 08:35	04/15/22 15:50
400-218545-3	DUP-02	Water	04/15/22 07:35	04/15/22 15:50
400-218545-4	EB-02	Water	04/15/22 07:32	04/15/22 15:50
400-218545-5	FB-02	Water	04/15/22 08:40	04/15/22 15:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: MWI-12A

Lab Sample ID: 400-218545-1

Date Collected: 04/14/22 15:22

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 11:45	04/20/22 19:07	5
Arsenic	0.0012	I	0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 19:07	5
Barium	0.065		0.025	0.0070	mg/L		04/20/22 11:45	04/21/22 16:49	50
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 19:07	5
Boron	4.4		0.50	0.012	mg/L		04/20/22 11:45	04/21/22 16:49	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 19:07	5
Calcium	78		2.5	1.3	mg/L		04/20/22 11:45	04/21/22 16:49	50
Chromium	0.010	U	0.025	0.010	mg/L		04/20/22 11:45	04/21/22 16:49	50
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 19:07	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 19:07	5
Lithium	0.049	U	0.050	0.049	mg/L		04/20/22 11:45	04/21/22 16:49	50
Molybdenum	0.013	I	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 19:07	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 19:07	5
Thallium	0.0046	U	0.0050	0.0046	mg/L		04/20/22 11:45	04/21/22 16:49	50

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	680		5.0	5.0	mg/L			04/18/22 15:53	1
Chloride	200		20	14	mg/L			04/25/22 00:54	10
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 19:27	1
Sulfate	8.4		5.0	1.4	mg/L			04/25/22 05:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.94				SU			04/14/22 15:22	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: PZ-14
Date Collected: 04/15/22 08:35
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-2
Matrix: Water

Method: 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		04/20/22 11:45	04/20/22 19:10	5
Arsenic	0.0039		0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 19:10	5
Barium	0.14		0.10	0.028	mg/L		04/20/22 11:45	04/21/22 16:52	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 19:10	5
Boron	12		2.0	0.047	mg/L		04/20/22 11:45	04/21/22 16:52	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 19:10	5
Calcium	730		10	5.0	mg/L		04/20/22 11:45	04/21/22 16:52	200
Chromium	0.040	U	0.10	0.040	mg/L		04/20/22 11:45	04/21/22 16:52	200
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 19:10	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 19:10	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 11:45	04/21/22 16:52	200
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 19:10	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 19:10	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 11:45	04/21/22 16:52	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5900		50	50	mg/L			04/18/22 15:53	1
Chloride	2200		200	140	mg/L			04/25/22 02:39	100
Fluoride	0.53	J3	0.10	0.070	mg/L			04/21/22 18:37	1
Sulfate	1600		250	70	mg/L			04/25/22 07:18	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.19				SU			04/15/22 08:35	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: DUP-02

Lab Sample ID: 400-218545-3

Date Collected: 04/15/22 07:35

Matrix: Water

Date Received: 04/15/22 15:50

Method: 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		04/20/22 11:45	04/20/22 19:13	5
Arsenic	0.0032		0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 19:13	5
Barium	0.14		0.10	0.028	mg/L		04/20/22 11:45	04/21/22 16:55	200
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 19:13	5
Boron	12		2.0	0.047	mg/L		04/20/22 11:45	04/21/22 16:55	200
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 19:13	5
Calcium	730		10	5.0	mg/L		04/20/22 11:45	04/21/22 16:55	200
Chromium	0.040	U	0.10	0.040	mg/L		04/20/22 11:45	04/21/22 16:55	200
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 19:13	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 19:13	5
Lithium	0.20	U	0.20	0.20	mg/L		04/20/22 11:45	04/21/22 16:55	200
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 19:13	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 19:13	5
Thallium	0.018	U	0.020	0.018	mg/L		04/20/22 11:45	04/21/22 16:55	200

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5800		50	50	mg/L			04/18/22 15:53	1
Chloride	2200		200	140	mg/L			04/25/22 02:39	100
Fluoride	0.52	J3	0.10	0.070	mg/L			04/21/22 18:35	1
Sulfate	1600		250	70	mg/L			04/25/22 07:18	50

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.19				SU			04/15/22 07:35	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: EB-02
Date Collected: 04/15/22 07:32
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-4
Matrix: Water

Method: 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		04/20/22 11:45	04/20/22 19:16	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 19:16	5
Barium	0.00014	U	0.00050	0.00014	mg/L		04/20/22 11:45	04/22/22 15:25	1
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 19:16	5
Boron	0.0030	I V	0.010	0.00024	mg/L		04/20/22 11:45	04/22/22 15:25	1
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 19:16	5
Calcium	0.025	U	0.050	0.025	mg/L		04/20/22 11:45	04/22/22 15:25	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/20/22 11:45	04/22/22 15:25	1
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 19:16	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 19:16	5
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/20/22 11:45	04/22/22 15:25	1
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 19:16	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 19:16	5
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/20/22 11:45	04/22/22 15:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/18/22 15:53	1
Chloride	1.4	U	2.0	1.4	mg/L			04/25/22 02:32	1
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 18:41	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/25/22 07:18	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: FB-02
Date Collected: 04/15/22 08:40
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-5
Matrix: Water

Method: 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		04/20/22 11:45	04/20/22 19:19	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 19:19	5
Barium	0.00014	U	0.00050	0.00014	mg/L		04/20/22 11:45	04/22/22 15:28	1
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 19:19	5
Boron	0.00024	U	0.010	0.00024	mg/L		04/20/22 11:45	04/22/22 15:28	1
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 19:19	5
Calcium	0.025	U	0.050	0.025	mg/L		04/20/22 11:45	04/22/22 15:28	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/20/22 11:45	04/22/22 15:28	1
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 19:19	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 19:19	5
Lithium	0.00098	U	0.0010	0.00098	mg/L		04/20/22 11:45	04/22/22 15:28	1
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 19:19	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 19:19	5
Thallium	0.000092	U	0.00010	0.000092	mg/L		04/20/22 11:45	04/22/22 15:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 11:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/18/22 15:53	1
Chloride	1.4	U	2.0	1.4	mg/L			04/25/22 02:32	1
Fluoride	0.070	U J3	0.10	0.070	mg/L			04/21/22 18:44	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/25/22 07:18	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: MWI-12A
Date Collected: 04/14/22 15:22
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 19:07	KIS	TAL PEN
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		50	574872	04/21/22 16:49	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:14	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		10	575083	04/25/22 00:54	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 19:27	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575087	04/25/22 05:28	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/14/22 15:22	EHS	TAL PEN

Client Sample ID: PZ-14
Date Collected: 04/15/22 08:35
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 19:10	KIS	TAL PEN
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 16:52	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:16	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575085	04/25/22 02:39	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:37	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		50	575097	04/25/22 07:18	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/15/22 08:35	EHS	TAL PEN

Client Sample ID: DUP-02
Date Collected: 04/15/22 07:35
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 19:13	KIS	TAL PEN
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	574872	04/21/22 16:55	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:18	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		100	575085	04/25/22 02:39	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:35	KB	TAL PEN

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Client Sample ID: DUP-02

Lab Sample ID: 400-218545-3

Date Collected: 04/15/22 07:35

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		50	575097	04/25/22 07:18	DN1	TAL PEN
Total/NA	Analysis	Field Sampling		1	573112	04/15/22 07:35	EHS	TAL PEN

Client Sample ID: EB-02

Lab Sample ID: 400-218545-4

Date Collected: 04/15/22 07:32

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 19:16	KIS	TAL PEN
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		1	574990	04/22/22 15:25	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:19	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		1	575085	04/25/22 02:32	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:41	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575097	04/25/22 07:18	DN1	TAL PEN

Client Sample ID: FB-02

Lab Sample ID: 400-218545-5

Date Collected: 04/15/22 08:40

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	574685	04/20/22 19:19	KIS	TAL PEN
Total Recoverable	Prep	3005A			574560	04/20/22 11:45	KWN	TAL PEN
Total Recoverable	Analysis	6020		1	574990	04/22/22 15:28	KIS	TAL PEN
Total/NA	Prep	7470A			574678	04/21/22 09:20	NET	TAL PEN
Total/NA	Analysis	7470A		1	575098	04/22/22 11:21	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	574307	04/18/22 15:53	VB	TAL PEN
Total/NA	Analysis	SM 4500 CI- E		1	575085	04/25/22 02:32	DN1	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	574866	04/21/22 18:44	KB	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	575097	04/25/22 07:18	DN1	TAL PEN

Laboratory References:

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

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Metals

Leach Batch: 574196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 574560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total Recoverable	Water	3005A	
400-218545-2	PZ-14	Total Recoverable	Water	3005A	
400-218545-3	DUP-02	Total Recoverable	Water	3005A	
400-218545-4	EB-02	Total Recoverable	Water	3005A	
400-218545-5	FB-02	Total Recoverable	Water	3005A	
MB 400-574560/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-574560/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-218381-G-11-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-218381-G-11-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 574672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574196

Prep Batch: 574678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	7470A	
400-218545-2	PZ-14	Total/NA	Water	7470A	
400-218545-3	DUP-02	Total/NA	Water	7470A	
400-218545-4	EB-02	Total/NA	Water	7470A	
400-218545-5	FB-02	Total/NA	Water	7470A	
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 574685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total Recoverable	Water	6020	574560
400-218545-2	PZ-14	Total Recoverable	Water	6020	574560
400-218545-3	DUP-02	Total Recoverable	Water	6020	574560
400-218545-4	EB-02	Total Recoverable	Water	6020	574560
400-218545-5	FB-02	Total Recoverable	Water	6020	574560
MB 400-574560/1-A ^5	Method Blank	Total Recoverable	Water	6020	574560
LCS 400-574560/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574560
400-218381-G-11-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	574560
400-218381-G-11-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	574560

Analysis Batch: 574872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total Recoverable	Water	6020	574560
400-218545-2	PZ-14	Total Recoverable	Water	6020	574560
400-218545-3	DUP-02	Total Recoverable	Water	6020	574560
MB 400-574560/1-A ^5	Method Blank	Total Recoverable	Water	6020	574560
LCS 400-574560/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	574560

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Metals

Analysis Batch: 574990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-4	EB-02	Total Recoverable	Water	6020	574560
400-218545-5	FB-02	Total Recoverable	Water	6020	574560

Analysis Batch: 575098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	7470A	574678
400-218545-2	PZ-14	Total/NA	Water	7470A	574678
400-218545-3	DUP-02	Total/NA	Water	7470A	574678
400-218545-4	EB-02	Total/NA	Water	7470A	574678
400-218545-5	FB-02	Total/NA	Water	7470A	574678
LB 400-574196/1-D	Method Blank	Total/NA	Water	7470A	574672
MB 400-574678/14-A	Method Blank	Total/NA	Water	7470A	574678
LCS 400-574678/15-A	Lab Control Sample	Total/NA	Water	7470A	574678
400-218596-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	574678
400-218596-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	574678

General Chemistry

Analysis Batch: 574307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	SM 2540C	
400-218545-2	PZ-14	Total/NA	Water	SM 2540C	
400-218545-3	DUP-02	Total/NA	Water	SM 2540C	
400-218545-4	EB-02	Total/NA	Water	SM 2540C	
400-218545-5	FB-02	Total/NA	Water	SM 2540C	
MB 400-574307/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-574307/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-218547-B-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 574866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	SM 4500 F C	
400-218545-2	PZ-14	Total/NA	Water	SM 4500 F C	
400-218545-3	DUP-02	Total/NA	Water	SM 4500 F C	
400-218545-4	EB-02	Total/NA	Water	SM 4500 F C	
400-218545-5	FB-02	Total/NA	Water	SM 4500 F C	
MB 400-574866/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-574866/6	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 400-574866/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-218548-C-9 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-218548-C-9 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-218548-C-10 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-218548-C-10 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 575083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	SM 4500 CI- E	
MB 400-575083/6	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 400-575083/7	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
MRL 400-575083/3	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
400-218547-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 CI- E	

QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

General Chemistry (Continued)

Analysis Batch: 575083 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218547-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 575085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-2	PZ-14	Total/NA	Water	SM 4500 Cl- E	
400-218545-3	DUP-02	Total/NA	Water	SM 4500 Cl- E	
400-218545-4	EB-02	Total/NA	Water	SM 4500 Cl- E	
400-218545-5	FB-02	Total/NA	Water	SM 4500 Cl- E	
MB 400-575085/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-575085/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-575085/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-218557-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-218557-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 575087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	SM 4500 SO4 E	
MB 400-575087/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-575087/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-575087/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-218547-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 575097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-2	PZ-14	Total/NA	Water	SM 4500 SO4 E	
400-218545-3	DUP-02	Total/NA	Water	SM 4500 SO4 E	
400-218545-4	EB-02	Total/NA	Water	SM 4500 SO4 E	
400-218545-5	FB-02	Total/NA	Water	SM 4500 SO4 E	
MB 400-575097/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-575097/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-575097/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-218544-A-7 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-218544-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 573112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	Field Sampling	
400-218545-2	PZ-14	Total/NA	Water	Field Sampling	
400-218545-3	DUP-02	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-574560/1-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		04/20/22 11:45	04/20/22 17:40	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		04/20/22 11:45	04/20/22 17:40	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		04/20/22 11:45	04/20/22 17:40	5
Boron	0.00214	I	0.050	0.0012	mg/L		04/20/22 11:45	04/20/22 17:40	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		04/20/22 11:45	04/20/22 17:40	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		04/20/22 11:45	04/20/22 17:40	5
Lead	0.00081	U	0.0013	0.00081	mg/L		04/20/22 11:45	04/20/22 17:40	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		04/20/22 11:45	04/20/22 17:40	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		04/20/22 11:45	04/20/22 17:40	5

Lab Sample ID: MB 400-574560/1-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	0.00070	U	0.0025	0.00070	mg/L		04/20/22 11:45	04/21/22 15:44	5
Calcium	0.13	U	0.25	0.13	mg/L		04/20/22 11:45	04/21/22 15:44	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		04/20/22 11:45	04/21/22 15:44	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		04/20/22 11:45	04/21/22 15:44	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		04/20/22 11:45	04/21/22 15:44	5

Lab Sample ID: LCS 400-574560/2-A ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0516		mg/L		103	80 - 120
Beryllium	0.0500	0.0520		mg/L		104	80 - 120
Boron	0.100	0.101		mg/L		101	80 - 120
Cadmium	0.0500	0.0505		mg/L		101	80 - 120
Cobalt	0.0500	0.0531		mg/L		106	80 - 120
Lead	0.0500	0.0532		mg/L		106	80 - 120
Molybdenum	0.0500	0.0510		mg/L		102	80 - 120
Selenium	0.0500	0.0494		mg/L		99	80 - 120

Lab Sample ID: LCS 400-574560/2-A ^5
Matrix: Water
Analysis Batch: 574872

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5.00	5.22		mg/L		104	80 - 120
Chromium	0.0500	0.0521		mg/L		104	80 - 120
Lithium	0.0500	0.0465		mg/L		93	80 - 120
Thallium	0.0100	0.00997		mg/L		100	80 - 120

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

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

Lab Sample ID: 400-218381-G-11-B MS ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Antimony	0.0015	U	0.0500	0.0137	J3	mg/L		27	75 - 125	
Arsenic	0.018		0.0500	0.0462	J3	mg/L		56	75 - 125	
Barium	0.86		0.0500	0.529	J3	mg/L		-669	75 - 125	
Beryllium	0.0033		0.0500	0.0589		mg/L		111	75 - 125	
Boron	0.055		0.100	0.140		mg/L		85	75 - 125	
Cadmium	0.0016	I	0.0500	0.0521		mg/L		101	75 - 125	
Calcium	360		5.00	153	J3	mg/L		-4074	75 - 125	
Chromium	0.088		0.0500	0.0921	J3	mg/L		8	75 - 125	
Cobalt	0.14		0.0500	0.111	J3	mg/L		-64	75 - 125	
Lead	0.048		0.0500	0.0789	J3	mg/L		62	75 - 125	
Lithium	0.094		0.0500	0.102	J3	mg/L		15	75 - 125	
Molybdenum	0.0013	U	0.0500	0.0214	J3	mg/L		43	75 - 125	
Selenium	0.0059		0.0500	0.0273	J3	mg/L		43	75 - 125	
Thallium	0.0021	V	0.0100	0.0124	V	mg/L		103	75 - 125	

Lab Sample ID: 400-218381-G-11-C MSD ^5
Matrix: Water
Analysis Batch: 574685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 574560

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	RPD	Limit
Antimony	0.0015	U	0.0500	0.0139	J3	mg/L		28	75 - 125	1	20	
Arsenic	0.018		0.0500	0.0475	J3	mg/L		59	75 - 125	3	20	
Barium	0.86		0.0500	0.475	J3	mg/L		-778	75 - 125	11	20	
Beryllium	0.0033		0.0500	0.0540		mg/L		101	75 - 125	9	20	
Boron	0.055		0.100	0.134		mg/L		79	75 - 125	4	20	
Cadmium	0.0016	I	0.0500	0.0515		mg/L		100	75 - 125	1	20	
Calcium	360		5.00	151	J3	mg/L		-4101	75 - 125	1	20	
Chromium	0.088		0.0500	0.0911	J3	mg/L		6	75 - 125	1	20	
Cobalt	0.14		0.0500	0.109	J3	mg/L		-69	75 - 125	2	20	
Lead	0.048		0.0500	0.0730	J3	mg/L		50	75 - 125	8	20	
Lithium	0.094		0.0500	0.0924	J3	mg/L		-3	75 - 125	10	20	
Molybdenum	0.0013	U	0.0500	0.0227	J3	mg/L		45	75 - 125	6	20	
Selenium	0.0059		0.0500	0.0376	J3	mg/L		63	75 - 125	32	20	
Thallium	0.0021	V	0.0100	0.0118	V	mg/L		97	75 - 125	5	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 400-574196/1-D
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574672

Analyte	LB LB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Mercury	0.0012	U	0.0016	0.0012	mg/L		04/21/22 08:34	04/22/22 12:43		1

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

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

Lab Sample ID: MB 400-574678/14-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574678

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.00015	U	0.00020	0.00015	mg/L		04/21/22 09:20	04/22/22 10:44	1

Lab Sample ID: LCS 400-574678/15-A
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 400-218596-F-1-E MS
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 400-218596-F-1-F MSD
Matrix: Water
Analysis Batch: 575098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit

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

Lab Sample ID: MB 400-574307/1
Matrix: Water
Analysis Batch: 574307

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

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/18/22 15:53	1

Lab Sample ID: LCS 400-574307/2
Matrix: Water
Analysis Batch: 574307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 400-218547-B-2 DU
Matrix: Water
Analysis Batch: 574307

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-575083/6
Matrix: Water
Analysis Batch: 575083

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			04/25/22 00:43	1

Lab Sample ID: LCS 400-575083/7
Matrix: Water
Analysis Batch: 575083

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.1		mg/L		100	90 - 110

Lab Sample ID: MRL 400-575083/3
Matrix: Water
Analysis Batch: 575083

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	1.72	I	mg/L		86	50 - 150

Lab Sample ID: 400-218547-B-2 MS
Matrix: Water
Analysis Batch: 575083

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	16		10.0	26.2		mg/L		98	73 - 120

Lab Sample ID: 400-218547-B-2 MSD
Matrix: Water
Analysis Batch: 575083

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	16		10.0	26.0		mg/L		96	73 - 120	1	8

Lab Sample ID: MB 400-575085/6
Matrix: Water
Analysis Batch: 575085

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			04/25/22 02:31	1

Lab Sample ID: LCS 400-575085/7
Matrix: Water
Analysis Batch: 575085

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.5		mg/L		102	90 - 110

Lab Sample ID: MRL 400-575085/3
Matrix: Water
Analysis Batch: 575085

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	1.80	I	mg/L		90	50 - 150

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 400-218557-A-2 MS
Matrix: Water
Analysis Batch: 575085

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	42		10.0	49.2		mg/L		75	73 - 120

Lab Sample ID: 400-218557-A-2 MSD
Matrix: Water
Analysis Batch: 575085

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	42		10.0	49.1		mg/L		74	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-574866/3
Matrix: Water
Analysis Batch: 574866

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			04/21/22 18:06	1

Lab Sample ID: LCS 400-574866/6
Matrix: Water
Analysis Batch: 574866

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	5.79	J3	mg/L		116	90 - 110

Lab Sample ID: LCS 400-574866/7
Matrix: Water
Analysis Batch: 574866

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	5.47		mg/L		109	90 - 110

Lab Sample ID: 400-218548-C-9 MS
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.990		mg/L		99	75 - 125

Lab Sample ID: 400-218548-C-9 MSD
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.910	J3	mg/L		91	75 - 125	8	4

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-218548-C-10 MS
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	1.13		mg/L		113	75 - 125

Lab Sample ID: 400-218548-C-10 MSD
Matrix: Water
Analysis Batch: 574866

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 J3	1.00	0.930	J3	mg/L		93	75 - 125	19	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-575087/5
Matrix: Water
Analysis Batch: 575087

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			04/25/22 05:28	1

Lab Sample ID: LCS 400-575087/6
Matrix: Water
Analysis Batch: 575087

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	14.3		mg/L		96	90 - 110

Lab Sample ID: MRL 400-575087/7
Matrix: Water
Analysis Batch: 575087

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	3.33	I	mg/L		67	50 - 150

Lab Sample ID: 400-218547-B-1 MS
Matrix: Water
Analysis Batch: 575087

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	9.6		10.0	19.0		mg/L		94	77 - 128

Lab Sample ID: 400-218547-B-1 MSD
Matrix: Water
Analysis Batch: 575087

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	9.6		10.0	18.9		mg/L		93	77 - 128	1	5

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-1
SDG: Horizontal Delineation Well

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: MB 400-575097/5
Matrix: Water
Analysis Batch: 575097

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			04/25/22 07:18	1

Lab Sample ID: LCS 400-575097/6
Matrix: Water
Analysis Batch: 575097

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		98	90 - 110

Lab Sample ID: MRL 400-575097/7
Matrix: Water
Analysis Batch: 575097

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	3.21	I	mg/L		64	50 - 150

Lab Sample ID: 400-218544-A-7 MS
Matrix: Water
Analysis Batch: 575097

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	11		10.0	16.9	J3	mg/L		61	77 - 128

Lab Sample ID: 400-218544-A-7 MSD
Matrix: Water
Analysis Batch: 575097

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	11		10.0	16.9	J3	mg/L		61	77 - 128	0	5

Client Information		Sampler: <i>NA</i> Whitmore, Cheyenne R		Carrier Tracking No(s): 400-110436-31203.1	
Client Contact: Barry Evans		Lab PM: Whitmore, Cheyenne R		Page: Page 1 of 1	
Company: Gulf Power Company		E-Mail: Cheyenne.Whitmore@et.eurolins.com		Job #:	
Address: BIN 731 One Energy Place		Due Date Requested:		Analysis Requested	
City: Pensacola		TAT Requested (days):		MS4500_CLE - Chloride	
State, Zip: FL, 32520		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		6020_7470A	
Phone: 850-444-6427(Tel)		PO #: 2000393131		2540C - Total Dissolved Solids	
Email: Barry.Evans@nexteraenergy.com		WO #: 3000004117		4500_F_C - Fluoride	
Project Name: CCR Smith Plant Delineation Sampling Event Desc: CCR Smith		Project #: 40006609		SM4500_SO4_E - Sulfate	
Site: Florida		SSOW#:		Total Number of Containers	
Sample Identification		Sample Date		Sample Time	
MWI-12A		4-14-22		1522	
PZ-14		4-15-22		0835	
MW-13 HORIZONTAL 2-5H					
MW-13 HORIZONTAL 1-1H					
DUF-DZ		4-15-22		0735	
EB-DZ		4-15-22		0732	
FD-DZ		4-15-22		0840	
Matrix (W=Water, S=Soil, O=Soil, B=Soil, A=Air)		Sample Type (C=Comp, G=Grab)		Preservation Code	
Water		G		MS	
Water		G		MS	
Water					
Water					
Water					
Water					
Water					
Special Instructions/Note:		Special Instructions/Note:		Special Instructions/Note:	
400-218545 COC		400-218545 COC		400-218545 COC	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)		Deliverable Requested: I, II, III, IV, Other (specify)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by:		Date:		Special Instructions/QC Requirements:	
Relinquished by: <i>JE</i>		Date: 4-15-22		Method of Shipment:	
Relinquished by:		Date: 1550		Received by: Company	
Relinquished by:		Date:		Received by: Company	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Received by: Company	
Cooler Temperature(s) °C and Other Remarks: 27, 17, 2-1, 1-6, 1199					



Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218545-1
SDG Number: Horizontal Delineation Well

Login Number: 218545

List Number: 1

Creator: Whitley, Adrian

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	2.7, 1.7, 2.1, 1.6°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218545-1
 SDG: Horizontal Delineation Well

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	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22



ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218545-2

Laboratory Sample Delivery Group: Horizontal Delineation Well
Client Project/Site: CCR Smith Plant

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
5/20/2022 4:14:24 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	11
Chronicle	12
QC Association	14
QC Sample Results	15
Chain of Custody	18
Receipt Checklists	19
Certification Summary	20

Case Narrative

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Job ID: 400-218545-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-218545-2

Receipt

The samples were received on 4/15/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 1.7° C, 2.1° C and 2.7° C.

RAD

Method 9315: Radium-226 Batch 561511. 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. MWI-12A (400-218545-1), PZ-14 (400-218545-2), DUP-02 (400-218545-3), FB-02 (400-218545-5), (LCS 160-561511/1-A), (LCSD 160-561511/2-A) and (MB 160-561511/18-A)

Method 9315: Radium 226 batch 561918. 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. EB-02 (400-218545-4), (LCS 160-561918/1-A), (LCSD 160-561918/2-A) and (MB 160-561918/22-A)

Method 9320: Radium-228 Batch 561523. 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. MWI-12A (400-218545-1), PZ-14 (400-218545-2), DUP-02 (400-218545-3), FB-02 (400-218545-5), (LCS 160-561523/1-A), (LCSD 160-561523/2-A) and (MB 160-561523/18-A)

Method 9320: Radium-228 prep batch 160-561925. 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. EB-02 (400-218545-4), (LCS 160-561925/1-A), (LCSD 160-561925/2-A) and (MB 160-561925/22-A). Method PrecSep_0: Radium-228 Prep Batch 160-561523. The following samples were prepared at a reduced aliquot due to Matrix: MWI-12A (400-218545-1), PZ-14 (400-218545-2) and DUP-02 (400-218545-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-561511. The following samples were prepared at a reduced aliquot due to Matrix: MWI-12A (400-218545-1), PZ-14 (400-218545-2) and DUP-02 (400-218545-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218545-1	MWI-12A	Water	04/14/22 15:22	04/15/22 15:50
400-218545-2	PZ-14	Water	04/15/22 08:35	04/15/22 15:50
400-218545-3	DUP-02	Water	04/15/22 07:35	04/15/22 15:50
400-218545-4	EB-02	Water	04/15/22 07:32	04/15/22 15:50
400-218545-5	FB-02	Water	04/15/22 08:40	04/15/22 15:50

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

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: MWI-12A

Lab Sample ID: 400-218545-1

Date Collected: 04/14/22 15:22

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	12.1		0.735	1.31	1.00	0.175	pCi/L	04/21/22 12:55	05/17/22 08:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		40 - 110					04/21/22 12:55	05/17/22 08:24	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.48		0.416	0.437	1.00	0.497	pCi/L	04/21/22 16:22	05/10/22 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		40 - 110					04/21/22 16:22	05/10/22 12:35	1
Y Carrier	83.7		40 - 110					04/21/22 16:22	05/10/22 12:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.5		0.845	1.38	5.00	0.497	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: PZ-14

Lab Sample ID: 400-218545-2

Date Collected: 04/15/22 08:35

Matrix: Water

Date Received: 04/15/22 15:50

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.52		0.620	0.986	1.00	0.192	pCi/L	04/21/22 12:55	05/17/22 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					04/21/22 12:55	05/17/22 08:25	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	11.0		0.878	1.34	1.00	0.539	pCi/L	04/21/22 16:22	05/10/22 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					04/21/22 16:22	05/10/22 12:35	1
Y Carrier	84.1		40 - 110					04/21/22 16:22	05/10/22 12:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	19.6		1.07	1.66	5.00	0.539	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: DUP-02
Date Collected: 04/15/22 07:35
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-3
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.17		0.672	1.06	1.00	0.249	pCi/L	04/21/22 12:55	05/17/22 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		40 - 110					04/21/22 12:55	05/17/22 08:25	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.84		0.822	1.16	1.00	0.592	pCi/L	04/21/22 16:22	05/10/22 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		40 - 110					04/21/22 16:22	05/10/22 12:35	1
Y Carrier	86.0		40 - 110					04/21/22 16:22	05/10/22 12:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	18.0		1.06	1.57	5.00	0.592	pCi/L		05/17/22 16:44	1

Client Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: EB-02
Date Collected: 04/15/22 07:32
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-4
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0971	0.0975	1.00	0.152	pCi/L	04/25/22 08:44	05/18/22 14:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					04/25/22 08:44	05/18/22 14:23	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.313	U	0.256	0.258	1.00	0.407	pCi/L	04/25/22 09:22	05/11/22 13:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					04/25/22 09:22	05/11/22 13:01	1
Y Carrier	86.4		40 - 110					04/25/22 09:22	05/11/22 13:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.415		0.274	0.276	5.00	0.407	pCi/L		05/19/22 16:43	1

Client Sample Results

Client: Gulf Power Company
 Project/Site: CCR Smith Plant

Job ID: 400-218545-2
 SDG: Horizontal Delineation Well

Client Sample ID: FB-02
Date Collected: 04/15/22 08:40
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-5
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0312	U	0.0664	0.0665	1.00	0.120	pCi/L	04/21/22 12:55	05/17/22 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					04/21/22 12:55	05/17/22 08:26	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.118	U	0.181	0.181	1.00	0.305	pCi/L	04/21/22 16:22	05/10/22 12:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					04/21/22 16:22	05/10/22 12:35	1
Y Carrier	84.9		40 - 110					04/21/22 16:22	05/10/22 12:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.149	U	0.193	0.193	5.00	0.305	pCi/L		05/17/22 16:44	1

Definitions/Glossary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: MWI-12A

Lab Sample ID: 400-218545-1

Date Collected: 04/14/22 15:22

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 08:24	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564844	05/10/22 12:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: PZ-14

Lab Sample ID: 400-218545-2

Date Collected: 04/15/22 08:35

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 08:25	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564844	05/10/22 12:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: DUP-02

Lab Sample ID: 400-218545-3

Date Collected: 04/15/22 07:35

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566012	05/17/22 08:25	FLC	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564844	05/10/22 12:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Client Sample ID: EB-02

Lab Sample ID: 400-218545-4

Date Collected: 04/15/22 07:32

Matrix: Water

Date Received: 04/15/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			561918	04/25/22 08:44	LPS	TAL SL
Total/NA	Analysis	9315		1	566206	05/18/22 14:23	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561925	04/25/22 09:22	LPS	TAL SL
Total/NA	Analysis	9320		1	565173	05/11/22 13:01	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566443	05/19/22 16:43	EMH	TAL SL

Lab Chronicle

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Client Sample ID: FB-02
Date Collected: 04/15/22 08:40
Date Received: 04/15/22 15:50

Lab Sample ID: 400-218545-5
Matrix: Water

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Prep	PrecSep-21			561511	04/21/22 12:55	LPS	TAL SL
Total/NA	Analysis	9315		1	566011	05/17/22 08:26	CLP	TAL SL
Total/NA	Prep	PrecSep_0			561523	04/21/22 16:22	LPS	TAL SL
Total/NA	Analysis	9320		1	564844	05/10/22 12:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	566030	05/17/22 16:44	SCB	TAL SL

Laboratory References:

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



QC Association Summary

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Rad

Prep Batch: 561511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	PrecSep-21	
400-218545-2	PZ-14	Total/NA	Water	PrecSep-21	
400-218545-3	DUP-02	Total/NA	Water	PrecSep-21	
400-218545-5	FB-02	Total/NA	Water	PrecSep-21	
MB 160-561511/18-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-561511/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-561511/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 561523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-1	MWI-12A	Total/NA	Water	PrecSep_0	
400-218545-2	PZ-14	Total/NA	Water	PrecSep_0	
400-218545-3	DUP-02	Total/NA	Water	PrecSep_0	
400-218545-5	FB-02	Total/NA	Water	PrecSep_0	
MB 160-561523/18-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-561523/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-561523/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 561918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-4	EB-02	Total/NA	Water	PrecSep-21	
MB 160-561918/22-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-561918/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-561918/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 561925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218545-4	EB-02	Total/NA	Water	PrecSep_0	
MB 160-561925/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-561925/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-561925/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-561511/18-A
Matrix: Water
Analysis Batch: 566012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561511

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.07580	U	0.0742	0.0745	1.00	0.171	pCi/L	04/21/22 12:55	05/17/22 10:17	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	92.6		40 - 110					04/21/22 12:55	05/17/22 10:17	1

Lab Sample ID: LCS 160-561511/1-A
Matrix: Water
Analysis Batch: 565445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561511

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.36		1.23	1.00	0.175	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	94.3		40 - 110					04/21/22 12:55	05/17/22 10:17

Lab Sample ID: LCSD 160-561511/2-A
Matrix: Water
Analysis Batch: 565445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561511

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	11.01		1.21	1.00	0.159	pCi/L	97	75 - 125	0.14	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	94.3		40 - 110					04/21/22 12:55	05/17/22 10:17	1	

Lab Sample ID: MB 160-561918/22-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561918

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05827	U	0.0742	0.0744	1.00	0.123	pCi/L	04/25/22 08:44	05/18/22 16:35	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.0		40 - 110					04/25/22 08:44	05/18/22 16:35	1

Lab Sample ID: LCS 160-561918/1-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.836		1.04	1.00	0.132	pCi/L	87	75 - 125

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

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

Lab Sample ID: LCS 160-561918/1-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561918

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.0		40 - 110

Lab Sample ID: LCSD 160-561918/2-A
Matrix: Water
Analysis Batch: 566379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561918

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-226	11.3	10.27		1.09	1.00	0.126	pCi/L	91	75 - 125	0.20		1

	LCSD	LCSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	96.6		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-561523/18-A
Matrix: Water
Analysis Batch: 564845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561523

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Time	Time	Time	Time	
Radium-228	0.4821		0.253	0.257	1.00	0.372	pCi/L	04/21/22 16:22	05/10/22 12:38			1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Time	Time	
Ba Carrier	92.6		40 - 110	04/21/22 16:22	05/10/22 12:38	1
Y Carrier	84.5		40 - 110	04/21/22 16:22	05/10/22 12:38	1

Lab Sample ID: LCS 160-561523/1-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561523

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec	
									Limits	RER
Radium-228	8.63	8.973		1.05	1.00	0.357	pCi/L	104	75 - 125	

	LCS	LCS	Limits
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.3		40 - 110
Y Carrier	87.5		40 - 110

Lab Sample ID: LCSD 160-561523/2-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561523

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-228	8.63	9.208		1.08	1.00	0.373	pCi/L	107	75 - 125	0.11		1

Eurofins Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

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

Lab Sample ID: LCSD 160-561523/2-A
Matrix: Water
Analysis Batch: 564844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561523

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	94.3		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: MB 160-561925/22-A
Matrix: Water
Analysis Batch: 564966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561925

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.1887	U	0.243	0.244	1.00	0.404	pCi/L	04/25/22 09:22	05/11/22 13:03	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	97.0		40 - 110	04/25/22 09:22	05/11/22 13:03	1
Y Carrier	86.0		40 - 110	04/25/22 09:22	05/11/22 13:03	1

Lab Sample ID: LCS 160-561925/1-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561925

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

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	98.0		40 - 110
Y Carrier	88.2		40 - 110

Lab Sample ID: LCSD 160-561925/2-A
Matrix: Water
Analysis Batch: 565165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561925

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

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	96.6		40 - 110
Y Carrier	86.7		40 - 110

Chain of Custody Record

Client Information
 Client Contact: Barry Evans
 Company: Gulf Power Company
 Address: BIN 731 One Energy Place
 City: Pensacola
 State, Zip: FL, 32520
 Phone: 850-444-6427 (Tel)
 Email: Barry.Evans@nexteraenergy.com
 Project Name: CCR Smith Plant Delineation Sampling Event Desc: CCR Smith
 Site: Florida

Sampler: NCR
Lab PM: Whitmire, Cheyenne R
Phone: 850-336-0912
E-Mail: Cheyenne.Whitmire@et.eurofins.com
PWSID:

Carrier Tracking No(s): 400-110436-31203.1
State of Origin:
Page 1 of 1
Job #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=soil, T=tissue, A=air)	Analysis Requested										Special Instructions/Note:	
					MS4500_Cr6 - Chromium	MS4500_Cu - Copper	MS4500_Fe - Iron	MS4500_Mn - Manganese	MS4500_Ni - Nickel	MS4500_Pb - Lead	MS4500_Zn - Zinc	MS4500_Si - Silica	MS4500_TSS - Total Suspended Solids	MS4500_TDS - Total Dissolved Solids		MS4500_F - Fluoride
MW1-12A	4-14-22	1522	G	Water	X	X	X	X	X	X	X	X	X	X	X	
PZ-14	4-15-22	0835	G	Water	X	X	X	X	X	X	X	X	X	X	X	
MW-11 HORIZONTAL 2-5H				Water												
MW-13 HORIZONTAL 1-1H				Water												
FD-02	4-15-22	0735	G	Water	X	X	X	X	X	X	X	X	X	X	X	
EB-02	4-15-22	0732	G	Water	X	X	X	X	X	X	X	X	X	X	X	
FD-02	4-15-22	0840	G	Water	X	X	X	X	X	X	X	X	X	X	X	

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

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

Special Instructions/Note:
 400-218545 COC

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____
Relinquished by: _____
Relinquished by: _____
Relinquished by: _____

Company: _____
Date/Time: 4-15-22 1550
Company: _____
Date/Time: _____
Company: _____
Date/Time: _____

Custody Seal No.: _____
 Yes No

Cooler Temperature(s) °C and Other Remarks: 27, 17, 2-1, 1-6°C 1189

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-218545-2
SDG Number: Horizontal Delineation Well

Login Number: 218545

List Number: 1

Creator: Whitley, Adrian

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	2.7, 1.7, 2.1, 1.6°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: Gulf Power Company
Project/Site: CCR Smith Plant

Job ID: 400-218545-2
SDG: Horizontal Delineation Well

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22
California	State	2886	07-01-22
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-22
HI - RadChem Recognition	State	n/a	06-30-22
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-22
MI - RadChem Recognition	State	9005	06-30-22
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-22
New Jersey	NELAP	MO002	06-30-22
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22
Texas	NELAP	T104704193	07-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	08-01-22
Virginia	NELAP	10310	06-14-22
Washington	State	C592	08-30-22
West Virginia DEP	State	381	10-31-22

Memorandum

Date: 21 September 2022
To: Lane Dorman
From: Ashley Wilson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job IDs 400-218545-1, 400-218547-1 and 400-218548-1**

SITE: CCR Plant Smith

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve aqueous samples, two field duplicates, two field blanks and two equipment blanks, collected 14-15 April 2022, as part of the Plant Smith sampling event.

The samples were analyzed at Eurofins TestAmerica, 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 SM 4500 F C
- 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 ID	Client ID
400-218545-1	MWI-12A
400-218545-2	PZ-14
400-218545-3	DUP-02
400-218545-4	EB-02
400-218545-5	FB-02
400-218547-1	MW-2
400-218547-2	MW-3
400-218547-3	MW-12
400-218548-1	MW-06

Laboratory ID	Client ID
400-218548-2	MW-08R
400-218548-3	MW-10R
400-218548-4	MW-13R
400-218548-5	MW-07
400-218548-6	MW-09R
400-218548-7	MW-14R
400-218548-8	DUP-01
400-218548-9	EB-01
400-218548-10	FB-01

The chain of custody (COC) indicates the samples were received within the criteria 0-6°C. No preservation issues were noted by the laboratory.

The relinquished by date was inaccurately documented on the COC for report 400-218547-1. The date was noted as “3-15-22,” however, all other dates noted on this COC are for April.

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 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

400-218545-1 and 400-218548-1: The laboratory noted the replicate relative standard deviation (RSD) of the metals in the initial calibration verification (ICV) in batch 274685 were outside of the method specified acceptance criteria; however, the ICV recoveries were within the method specified acceptance criteria. Since ICV recoveries were within the method specified acceptance criteria and based on professional and technical judgement, no qualifications were applied to the data.

400-218545-1: The laboratory noted the recovery of boron in the contract required detection limit verification standard (CRI) in batch 574990 was high and outside of the method specified acceptance criteria. Since boron was not detected or U qualified as not detected in the associated samples and based on professional and technical judgment, 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). Two method blanks were reported (batches 574560 and 574566). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

400-218545-1: Boron was detected in the method blank in batch 574560 at an estimated concentration greater than the MDL and less than the reporting limits (RLs). Therefore, the estimated boron concentration in the associated sample, EB-02, was U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
EB-02	Boron	0.0030	I V	0.010	U	3

mg/L-milligram per liter

I-laboratory flag indicating estimated concentration greater than the MDL and less than the RL

V-laboratory flag indicating analyte was detected in both the sample and method blank

* 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 (one per batch of 20 samples). Two 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.

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). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Two equipment blanks, EB-02 and EB-01, were collected with the sample set. Metals were not detected in the equipment blanks above the MDLs, with the following exception.

Boron was detected in EB-02 at an estimated concentration greater than the MDL and less than the RL. Since the boron concentration in EB-02 was U qualified due to method blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

1.7 Field Blank

Two field blanks, FB-02 and FB-01, were collected with the sample set. Metals were not detected in the field blanks above the MDLs.

1.8 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-01. Acceptable precision [relative percent difference (RPD) \leq 30%] was demonstrated between the field duplicates and the original samples, PZ-14 and MW-06, respectively.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

1.10 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.

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). Three method blanks were reported (batches 574678, 574684 and 574853). Mercury was not detected in the method blank 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). Three 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.

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). Three LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Two equipment blanks, EB-02 and EB-01, were collected with the sample set. Mercury was not detected in the equipment blanks above the MDL.

2.7 Field Blank

Two field blanks, FB-02 and FB-01, were collected with the sample set. Mercury was not detected in the field blanks above the MDLs.

2.8 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-01. Acceptable precision ($RPD \leq 30\%$) was demonstrated between the field duplicates and the original samples, PZ-14 and MW-06, 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 574307 and 574314), chloride (batches 575083 and 575085), sulfate (batches 575087 and 575097) and fluoride (batch 574866). The wet chemistry parameters were not detected in the method blanks 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 MS/MSD pairs were reported for chloride using samples MW-3, sulfate using samples MW-3 and MW-2 and fluoride using samples EB-01 and FB-01. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

400-218547-1: The recoveries of sulfate in the MS/MSD pair using sample MW-3 were low, less than 35% and outside of the laboratory specified acceptance criteria. Therefore, the estimated sulfate concentration in sample MW-3 was J qualified as estimated.

400-218548-1: The RPDs of fluoride in the MS/MSD pairs using samples EB-01 and FB-01 were high and outside of the laboratory specified acceptance criteria. Since fluoride was not detected in samples EB-01 and FB-01, no qualifications were applied to the data.

Batch MS/MSD pairs was reported for sulfate and chloride. 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-3	Sulfate	3.0	I	3.0	J	4

mg/L-milligram per liter

I-laboratory flag indicating estimated concentration greater than the MDL and less than the RL

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 were reported for each analysis and batch. The recovery results were within the laboratory specified acceptance criteria, with the following exception.

The percent recovery of fluoride in one of the two LCSs for batch 574866 was high and outside of the laboratory specified acceptance criteria. Therefore, the estimated fluoride concentrations in the

associated samples were J qualified as estimated and the fluoride concentrations greater than the RL in the associated samples were J+ qualified as estimated with high biases.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-14	Fluoride	0.53	J3	0.53	J+	5
DUP-02	Fluoride	0.52	J3	0.52	J+	5
MW-12	Fluoride	0.12	J3	0.07	J+	5
MW-2	Fluoride	0.14	J3	0.07	J+	5
MW-09R	Fluoride	0.08	I J3	0.07	J	5
MW-10R	Fluoride	0.09	I J3	0.07	J	5
MW-13R	Fluoride	0.08	I J3	0.07	J	5
MW-14R	Fluoride	0.29	J3	0.29	J+	5

mg/L-milligram per liter

I-laboratory flag indicating estimated concentration greater than the MDL and less than the RL

J3-estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

3.6 Laboratory Duplicate

One laboratory duplicate was reported for TDS using samples MW-3 and MW-08R.

The RPDs of TDS in the laboratory duplicate using samples MW-3 and MW-08R were high and outside the laboratory specified acceptance criteria. Therefore, the TDS concentrations in samples MW-3 and MW-08R were J qualified as estimated.

One batch laboratory duplicate was also reported for TDS. Since this was 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-3	TDS	68	NA	68	J	12
MW-08R	TDS	5800	NA	5800	J	12

mg/L-milligram per liter

NA-not applicable

3.7 Equipment Blank

Two equipment blanks, EB-02 and EB-01, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

Two field blanks, EB-02 and EB-01, were collected with the sample set. The wet chemistry parameters were not detected in the field blank above the MDLs.

3.9 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-01. Acceptable precision ($RPD \leq 30\%$) was demonstrated between the field duplicates and the original samples, PZ-14 and MW-06, respectively.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

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.

* * * * *

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 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 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

Memorandum

Date: 22 September 2022
To: Lane Dorman
From: Matthew Richardson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverables – Eurofins Job
IDs 400-218545-2, 400-218547-2 and 400-218548-2**

SITE: Plant Smith

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve aqueous samples, two field duplicates, two field blanks and two equipment blanks, collected 14-15 April 2022, as part of the Plant Smith sampling event.

The samples were analyzed at Eurofins St Louis, Missouri, 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
400-218545-1	MWI-12A
400-218545-2	PZ-14
400-218545-3	DUP-02
400-218545-4	EB-02
400-218545-5	FB-02
400-218547-1	MW-2
400-218547-2	MW-3
400-218547-3	MW-12
400-218548-1	MW-06

Laboratory ID	Client ID
400-218548-2	MW-08R
400-218548-3	MW-10R
400-218548-4	MW-13R
400-218548-5	MW-07
400-218548-6	MW-09R
400-218548-7	MW-14R
400-218548-8	DUP-01
400-218548-9	EB-01
400-218548-10	FB-01

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
- ✓ Equipment Blank
- ✓ Field 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 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 sample set is 100%.

1.1.2 Analysis Anomaly

400-218545-2: Radium-226 and radium-228 were detected at concentrations less than the minimum detectable concentrations (MDCs) in sample EB-02; however, the combined radium 226 + 228 concentration was indicated as being greater than the MDC. 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 sample EB-02 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-02	Combined Radium 226 + 228	0.415	NA	0.415	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). Two method blanks were reported for radium-226 (batches 561511 and 561918) and two method blanks were reported for radium-228 (batches 561523 and 561925). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs), with the following exception.

400-218545-2 and 400-218548-2 – Radium-228 (0.4821 pCi/L) was detected in the method blank in batch 561523 at a concentration greater than the MDC. Therefore, the radium-228 concentration in sample MWI-12A was J+ qualified as estimated with a high bias. In addition, the combined radium 226+228 concentration in sample MWI-12A was J qualified as estimated.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MWI-12A	Radium-228	1.48	NA	1.48	J+	3
MWI-12A	Combined Radium 226 + 228	13.5	NA	13.5	J	3

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

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported.

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). Two LCS/laboratory control sample duplicate (LCSD) pairs were reported for radium-226 and two LCS/LCSD pairs were reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

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.

1.7 Equipment Blank

Two equipment blanks were collected with the sample set, EB-01 and EB-02. The radiochemistry parameters were not detected in the equipment blanks above the MDCs, with the following exception.

400-218545-2 - Combined Radium-226 and 228 (0.415 pCi/L) was detected in EB-02 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.

1.8 Field Blank

Two field blanks were collected with the sample set, FB-01 and FB-02. The radiochemistry parameters were not detected in the field blanks above the MDCs.

1.9 Field Duplicate

Two field duplicates were collected with the sample set, DUP-01 and DUP-02. Acceptable precision ($RER \leq 3$) was demonstrated between the field duplicates and the original samples, MW-06 and PZ-14, respectively.

1.10 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.11 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 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

Low-Flow Test Report:

Test Date / Time: 9/1/2022 5:01:38 PM

Project: Smith Plant MW-02 9-1-22 ..

Operator Name: Trevor Braddock

Location Name: MW-02 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 16 ft Total Depth: 26 ft Initial Depth to Water: 4.41 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 21 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 2.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	---	--

Test Notes:

Weather Conditions:

Sunny 87

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2022 5:01 PM	00:00	5.53 pH	21.29 °C	73.75 µS/cm	1.26 mg/L	1.10 NTU	51.3 mV	4.41 ft	400.00 ml/min
9/1/2022 5:06 PM	05:00	5.71 pH	17.40 °C	88.75 µS/cm	0.18 mg/L	0.80 NTU	40.6 mV	6.25 ft	400.00 ml/min
9/1/2022 5:11 PM	10:00	5.74 pH	17.65 °C	89.95 µS/cm	0.17 mg/L	0.73 NTU	36.4 mV	6.32 ft	400.00 ml/min
9/1/2022 5:16 PM	15:00	5.74 pH	17.34 °C	87.11 µS/cm	0.16 mg/L	0.69 NTU	33.2 mV	6.42 ft	400.00 ml/min
9/1/2022 5:21 PM	20:00	5.74 pH	17.05 °C	86.40 µS/cm	0.15 mg/L	0.67 NTU	31.4 mV	6.51 ft	400.00 ml/min
9/1/2022 5:26 PM	25:00	5.75 pH	17.08 °C	87.66 µS/cm	0.15 mg/L	0.72 NTU	29.9 mV	5.59 ft	400.00 ml/min
9/1/2022 5:31 PM	30:00	5.73 pH	16.93 °C	86.76 µS/cm	0.15 mg/L	0.80 NTU	28.8 mV	6.62 ft	400.00 ml/min

Samples

Sample ID:	Description:
Mw-2	Sample time 1735 Dup-01 fake sample time 1635

Low-Flow Test Report:

Test Date / Time: 9/1/2022 4:13:58 PM

Project: Smith Plant MW-03 9-1-22

Operator Name: Trevor Braddock

Location Name: Smith MW-3 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 23 ft Total Depth: 33 ft Initial Depth to Water: 5.51 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 28 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.14 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

Test Notes:

Sample time 1641

Weather Conditions:

SUNnY s 87

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/1/2022 4:13 PM	00:00	5.09 pH	21.77 °C	51.76 µS/cm	0.43 mg/L	0.77 NTU	59.2 mV	5.51 ft	400.00 ml/min
9/1/2022 4:18 PM	05:00	4.94 pH	15.66 °C	58.89 µS/cm	0.19 mg/L	5.27 NTU	49.8 mV	5.60 ft	400.00 ml/min
9/1/2022 4:23 PM	10:00	4.93 pH	16.03 °C	58.47 µS/cm	0.16 mg/L	6.37 NTU	47.7 mV	5.62 ft	400.00 ml/min
9/1/2022 4:28 PM	15:00	4.93 pH	15.50 °C	58.89 µS/cm	0.15 mg/L	6.94 NTU	46.3 mV	5.65 ft	400.00 ml/min
9/1/2022 4:33 PM	20:00	4.92 pH	15.34 °C	59.00 µS/cm	0.15 mg/L	4.93 NTU	45.9 mV	5.65 ft	400.00 ml/min
9/1/2022 4:38 PM	25:00	4.91 pH	15.49 °C	58.93 µS/cm	0.14 mg/L	4.69 NTU	46.0 mV	5.65 ft	400.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 9/1/2022 4:19:05 PM

Project: Smith CCR MW-12

Operator Name: Rick Hagendorfer

Location Name: Smith CCR MW-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21.7 ft Total Depth: 31.7 ft Initial Depth to Water: 9.4 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 26.7 ft Estimated Total Volume Pumped: 24000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 7.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
--	---	--

Test Notes:

Weather Conditions:

P/C 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	+/- 10	+/- 0.3	
9/1/2022 4:19 PM	00:00	6.04 pH	25.37 °C	1,127.2 µS/cm	0.17 mg/L		30.5 mV	9.40 ft	400.00 ml/min
9/1/2022 4:24 PM	05:00	6.07 pH	25.06 °C	1,120.1 µS/cm	0.15 mg/L	0.38 NTU	25.5 mV	11.76 ft	400.00 ml/min
9/1/2022 4:29 PM	10:00	6.08 pH	24.92 °C	1,108.5 µS/cm	0.14 mg/L	0.28 NTU	22.8 mV	13.64 ft	400.00 ml/min
9/1/2022 4:34 PM	15:00	6.08 pH	24.78 °C	1,101.1 µS/cm	0.13 mg/L	0.25 NTU	21.3 mV	14.22 ft	400.00 ml/min
9/1/2022 4:39 PM	20:00	6.09 pH	24.66 °C	1,095.0 µS/cm	0.13 mg/L	0.30 NTU	20.4 mV	14.72 ft	400.00 ml/min
9/1/2022 4:44 PM	25:00	6.08 pH	24.60 °C	1,081.0 µS/cm	0.13 mg/L	0.30 NTU	20.1 mV	15.09 ft	400.00 ml/min
9/1/2022 4:49 PM	30:00	6.07 pH	24.57 °C	1,066.1 µS/cm	0.13 mg/L	0.44 NTU	19.9 mV	15.44 ft	400.00 ml/min
9/1/2022 4:54 PM	35:00	6.07 pH	24.53 °C	1,050.3 µS/cm	0.12 mg/L	0.38 NTU	20.0 mV	15.67 ft	400.00 ml/min
9/1/2022 4:59 PM	40:00	6.05 pH	24.54 °C	1,039.1 µS/cm	0.12 mg/L	0.44 NTU	20.2 mV	15.90 ft	400.00 ml/min
9/1/2022 5:04 PM	45:00	6.04 pH	24.64 °C	1,028.2 µS/cm	0.12 mg/L	0.53 NTU	20.2 mV	16.09 ft	400.00 ml/min
9/1/2022 5:09 PM	50:00	6.02 pH	24.69 °C	1,009.3 µS/cm	0.12 mg/L	0.53 NTU	20.4 mV	16.28 ft	400.00 ml/min
9/1/2022 5:14 PM	55:00	6.01 pH	24.62 °C	997.69 µS/cm	0.12 mg/L	0.62 NTU	20.7 mV	16.41 ft	400.00 ml/min
9/1/2022 5:19 PM	01:00:00	6.00 pH	24.64 °C	987.35 µS/cm	0.12 mg/L	0.65 NTU	20.6 mV	16.51 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-12	Sample time 1720

Low-Flow Test Report:

Test Date / Time: 9/2/2022 7:56:14 AM

Project: Smith CCR MW-06

Operator Name: Rick Hagendorfer

Location Name: Smith CCR MW-06 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.2 ft Total Depth: 39.2 ft Initial Depth to Water: 15.04 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 34.2 ft Estimated Total Volume Pumped: 18000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 3.95 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	+/- 10	+/- 0.3	
9/2/2022 7:56 AM	00:00	5.41 pH	27.80 °C	7,850.5 µS/cm	5.94 mg/L		126.0 mV	15.04 ft	400.00 ml/min
9/2/2022 8:01 AM	05:00	5.42 pH	24.87 °C	7,970.6 µS/cm	0.26 mg/L	9.89 NTU	101.4 mV	16.61 ft	400.00 ml/min
9/2/2022 8:06 AM	10:00	5.40 pH	24.65 °C	8,048.6 µS/cm	0.21 mg/L	5.35 NTU	90.9 mV	17.59 ft	400.00 ml/min
9/2/2022 8:11 AM	15:00	5.36 pH	24.65 °C	8,158.9 µS/cm	0.19 mg/L	4.53 NTU	86.8 mV	17.88 ft	400.00 ml/min
9/2/2022 8:16 AM	20:00	5.30 pH	24.75 °C	8,271.6 µS/cm	0.18 mg/L	1.69 NTU	85.4 mV	18.16 ft	400.00 ml/min
9/2/2022 8:21 AM	25:00	5.27 pH	24.68 °C	8,354.9 µS/cm	0.17 mg/L	1.27 NTU	84.2 mV	18.36 ft	400.00 ml/min
9/2/2022 8:26 AM	30:00	5.25 pH	24.59 °C	8,414.3 µS/cm	0.15 mg/L	0.88 NTU	82.5 mV	18.60 ft	400.00 ml/min
9/2/2022 8:31 AM	35:00	5.23 pH	24.53 °C	8,494.8 µS/cm	0.15 mg/L	1.11 NTU	80.5 mV	18.77 ft	400.00 ml/min
9/2/2022 8:36 AM	40:00	5.21 pH	24.55 °C	8,566.7 µS/cm	0.14 mg/L	0.83 NTU	78.6 mV	18.91 ft	400.00 ml/min
9/2/2022 8:41 AM	45:00	5.20 pH	24.60 °C	8,613.4 µS/cm	0.14 mg/L	0.76 NTU	76.8 mV	18.99 ft	400.00 ml/min

Samples

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

MW-06

Sample time 0844. FB-01 sample time 0812.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/2/2022 9:23:37 AM

Project: Smith CCR MW-07

Operator Name: Rick Hagendorfer

Location Name: Smith CCR MW-07 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.3 ft Total Depth: 39.3 ft Initial Depth to Water: 12.47 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 34.3 ft Estimated Total Volume Pumped: 32000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.77 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	+/- 10	+/- 0.3	
9/2/2022 9:23 AM	00:00	5.69 pH	29.10 °C	0.00 µS/cm	7.54 mg/L		78.0 mV	12.47 ft	400.00 ml/min
9/2/2022 9:28 AM	05:00	6.23 pH	25.49 °C	9,531.0 µS/cm	0.22 mg/L	235.00 NTU	42.9 mV	13.17 ft	400.00 ml/min
9/2/2022 9:33 AM	10:00	6.24 pH	25.14 °C	9,570.5 µS/cm	0.16 mg/L	133.00 NTU	19.1 mV	13.24 ft	400.00 ml/min
9/2/2022 9:38 AM	15:00	6.25 pH	25.24 °C	9,580.5 µS/cm	0.13 mg/L	73.70 NTU	-0.3 mV	13.24 ft	400.00 ml/min
9/2/2022 9:43 AM	20:00	6.24 pH	24.96 °C	9,532.8 µS/cm	0.13 mg/L	41.10 NTU	-16.4 mV	13.24 ft	400.00 ml/min
9/2/2022 9:48 AM	25:00	6.23 pH	24.88 °C	9,527.2 µS/cm	0.12 mg/L	24.70 NTU	-30.1 mV	13.24 ft	400.00 ml/min
9/2/2022 9:53 AM	30:00	6.24 pH	24.77 °C	9,517.3 µS/cm	0.12 mg/L	19.20 NTU	-41.8 mV	13.24 ft	400.00 ml/min
9/2/2022 9:58 AM	35:00	6.26 pH	24.87 °C	9,535.0 µS/cm	0.11 mg/L	15.60 NTU	-52.0 mV	13.24 ft	400.00 ml/min
9/2/2022 10:03 AM	40:00	6.27 pH	24.91 °C	9,554.2 µS/cm	0.11 mg/L	9.68 NTU	-61.2 mV	13.24 ft	400.00 ml/min
9/2/2022 10:08 AM	45:00	6.29 pH	24.87 °C	9,553.7 µS/cm	0.10 mg/L	7.31 NTU	-69.4 mV	13.24 ft	400.00 ml/min
9/2/2022 10:13 AM	50:00	6.31 pH	24.87 °C	9,561.7 µS/cm	0.10 mg/L	15.40 NTU	-77.1 mV	13.24 ft	400.00 ml/min
9/2/2022 10:18 AM	55:00	6.32 pH	24.98 °C	9,591.5 µS/cm	0.09 mg/L	4.79 NTU	-84.3 mV	13.24 ft	400.00 ml/min
9/2/2022 10:23 AM	01:00:00	6.33 pH	25.14 °C	9,604.5 µS/cm	0.09 mg/L	4.26 NTU	-91.1 mV	13.24 ft	400.00 ml/min

9/2/2022 10:28 AM	01:05:00	6.34 pH	25.23 °C	9,591.5 μS/cm	0.09 mg/L	4.30 NTU	-97.5 mV	13.24 ft	400.00 ml/min
9/2/2022 10:33 AM	01:10:00	6.35 pH	25.28 °C	9,600.8 μS/cm	0.08 mg/L	3.13 NTU	-103.1 mV	13.24 ft	400.00 ml/min
9/2/2022 10:38 AM	01:15:00	6.37 pH	25.28 °C	9,614.1 μS/cm	0.08 mg/L	2.51 NTU	-108.1 mV	13.24 ft	400.00 ml/min
9/2/2022 10:43 AM	01:20:00	6.37 pH	25.38 °C	9,618.8 μS/cm	0.08 mg/L	2.25 NTU	-112.7 mV	13.24 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-07	Sample time 1045. Dup-02 fake time 0945. EB-01 sample time 0911.

Low-Flow Test Report:

Test Date / Time: 9/2/2022 2:03:14 PM

Project: Smith CCR MW-08R

Operator Name: Rick Hagendorfer

Location Name: Smith CCR MW-08R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21 ft Total Depth: 31 ft Initial Depth to Water: 4.34 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 26 ft Estimated Total Volume Pumped: 20000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 3.8 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
--	--	--

Test Notes:

Collected a .45um sample for metals only as per request from Geosyntec.

Weather Conditions:

Cloudy 89

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
9/2/2022 2:03 PM	00:00	6.10 pH	32.45 °C	6,763.2 µS/cm	4.64 mg/L		-123.8 mV	4.34 ft	400.00 ml/min
9/2/2022 2:08 PM	05:00	6.25 pH	26.69 °C	8,675.8 µS/cm	0.18 mg/L	7.74 NTU	-216.3 mV	6.37 ft	400.00 ml/min
9/2/2022 2:13 PM	10:00	6.33 pH	26.28 °C	8,378.6 µS/cm	0.13 mg/L	6.99 NTU	-298.4 mV	7.14 ft	400.00 ml/min
9/2/2022 2:18 PM	15:00	6.28 pH	26.24 °C	8,638.9 µS/cm	0.11 mg/L	2.10 NTU	-316.6 mV	7.64 ft	400.00 ml/min
9/2/2022 2:23 PM	20:00	6.23 pH	25.96 °C	8,892.3 µS/cm	0.11 mg/L	2.66 NTU	-311.8 mV	7.79 ft	400.00 ml/min
9/2/2022 2:28 PM	25:00	6.20 pH	25.88 °C	9,070.7 µS/cm	0.11 mg/L	2.10 NTU	-304.9 mV	7.86 ft	400.00 ml/min
9/2/2022 2:33 PM	30:00	6.18 pH	25.97 °C	9,236.2 µS/cm	0.10 mg/L	2.41 NTU	-299.8 mV	7.94 ft	400.00 ml/min
9/2/2022 2:38 PM	35:00	6.16 pH	25.69 °C	9,306.9 µS/cm	0.10 mg/L	2.04 NTU	-295.1 mV	8.02 ft	400.00 ml/min
9/2/2022 2:43 PM	40:00	6.14 pH	25.85 °C	9,415.9 µS/cm	0.10 mg/L	2.18 NTU	-291.5 mV	8.09 ft	400.00 ml/min
9/2/2022 2:48 PM	45:00	6.13 pH	25.82 °C	9,548.6 µS/cm	0.10 mg/L	1.98 NTU	-289.4 mV	8.12 ft	400.00 ml/min
9/2/2022 2:53 PM	50:00	6.12 pH	25.96 °C	9,619.2 µS/cm	0.10 mg/L	1.44 NTU	-287.3 mV	8.14 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-08R	Sample time 1458. FB-02 sample time 1426. EB-02 sample time 1356.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/6/2022 10:17:52 AM

Project: Smith Plant MW-9R 9-6-22

Operator Name: Trevor Braddock

Location Name: Smith Mw-9R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 15.3 ft Total Depth: 25.3 ft Initial Depth to Water: 4.51 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 20.3 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 1.61 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	---	--

Test Notes:

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	
9/6/2022 10:17 AM	00:00	6.57 pH	20.42 °C	5,569.9 µS/cm	0.25 mg/L	8.96 NTU	10.8 mV	4.51 ft	400.00 ml/min
9/6/2022 10:22 AM	05:00	6.86 pH	16.69 °C	5,644.7 µS/cm	0.23 mg/L	9.78 NTU	-154.3 mV	5.88 ft	400.00 ml/min
9/6/2022 10:27 AM	10:00	6.96 pH	17.49 °C	5,289.0 µS/cm	0.19 mg/L	4.10 NTU	-211.0 mV	6.10 ft	400.00 ml/min
9/6/2022 10:32 AM	15:00	6.95 pH	17.78 °C	5,416.0 µS/cm	0.18 mg/L	2.29 NTU	-224.1 mV	6.12 ft	400.00 ml/min
9/6/2022 10:37 AM	20:00	6.96 pH	18.01 °C	5,455.5 µS/cm	0.17 mg/L	1.79 NTU	-230.0 mV	6.12 ft	400.00 ml/min
9/6/2022 10:42 AM	25:00	6.96 pH	18.04 °C	5,491.4 µS/cm	0.17 mg/L	1.29 NTU	-234.6 mV	6.12 ft	400.00 ml/min
9/6/2022 10:47 AM	30:00	6.96 pH	17.94 °C	5,545.5 µS/cm	0.17 mg/L	0.95 NTU	-234.6 mV	6.12 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-9R	Sample time 1050
Dup-3	Fake sample time 0950

Low-Flow Test Report:

Test Date / Time: 9/2/2022 2:06:43 PM

Project: Smith Plant MW-10R 9-2-22

Operator Name: Trevor Braddock

Location Name: Smith MW-10R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 16.8 ft Total Depth: 26.8 ft Initial Depth to Water: 3.34 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 21.8 ft Estimated Total Volume Pumped: 36000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 11.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	--	--

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	
9/2/2022 2:06 PM	00:00	6.57 pH	24.24 °C	7,787.8 µS/cm	0.37 mg/L	11.00 NTU	-22.1 mV	3.34 ft	400.00 ml/min
9/2/2022 2:11 PM	05:00	6.72 pH	19.56 °C	8,343.0 µS/cm	0.18 mg/L	66.00 NTU	-90.1 mV	8.32 ft	400.00 ml/min
9/2/2022 2:16 PM	10:00	6.72 pH	19.45 °C	8,431.9 µS/cm	0.24 mg/L	14.00 NTU	-98.6 mV	14.10 ft	400.00 ml/min
9/2/2022 2:21 PM	15:00	6.65 pH	18.95 °C	8,761.1 µS/cm	0.22 mg/L	1.97 NTU	-104.8 mV	13.87 ft	400.00 ml/min
9/2/2022 2:26 PM	20:00	6.63 pH	19.00 °C	8,718.5 µS/cm	0.25 mg/L	3.57 NTU	-138.3 mV	13.92 ft	400.00 ml/min
9/2/2022 2:31 PM	25:00	6.65 pH	18.82 °C	8,690.4 µS/cm	0.26 mg/L	3.34 NTU	-169.3 mV	14.11 ft	400.00 ml/min
9/2/2022 2:36 PM	30:00	6.65 pH	18.42 °C	8,708.1 µS/cm	0.23 mg/L	2.75 NTU	-191.8 mV	14.21 ft	400.00 ml/min
9/2/2022 2:41 PM	35:00	6.61 pH	18.33 °C	8,737.5 µS/cm	0.22 mg/L	2.16 NTU	-202.8 mV	14.35 ft	400.00 ml/min
9/2/2022 2:46 PM	40:00	6.58 pH	18.34 °C	8,789.8 µS/cm	0.19 mg/L	2.60 NTU	-216.1 mV	14.35 ft	400.00 ml/min
9/2/2022 2:51 PM	45:00	6.56 pH	18.69 °C	8,720.0 µS/cm	0.18 mg/L	1.91 NTU	-226.1 mV	14.35 ft	400.00 ml/min
9/2/2022 2:56 PM	50:00	6.54 pH	18.65 °C	8,731.4 µS/cm	0.16 mg/L	1.13 NTU	-238.5 mV	14.35 ft	400.00 ml/min
9/2/2022 3:01 PM	55:00	6.53 pH	18.35 °C	8,766.8 µS/cm	0.15 mg/L	1.52 NTU	-250.2 mV	14.35 ft	400.00 ml/min
9/2/2022 3:06 PM	01:00:00	7.49 pH	18.39 °C	35.04 µS/cm	5.86 mg/L	2.22 NTU	-130.3 mV	14.35 ft	400.00 ml/min

9/2/2022 3:11 PM	01:05:00	6.47 pH	18.10 °C	8,686.1 μ S/cm	0.16 mg/L	2.34 NTU	-248.0 mV	14.35 ft	400.00 ml/min
9/2/2022 3:16 PM	01:10:00	6.52 pH	18.40 °C	8,789.8 μ S/cm	0.17 mg/L	0.87 NTU	-257.0 mV	14.35 ft	400.00 ml/min
9/2/2022 3:21 PM	01:15:00	6.50 pH	18.63 °C	8,729.0 μ S/cm	0.15 mg/L	0.65 NTU	-262.0 mV	14.35 ft	400.00 ml/min
9/2/2022 3:26 PM	01:20:00	6.50 pH	18.34 °C	8,718.3 μ S/cm	0.14 mg/L	0.69 NTU	-269.2 mV	14.35 ft	400.00 ml/min
9/2/2022 3:31 PM	01:25:00	6.49 pH	18.23 °C	8,725.2 μ S/cm	0.13 mg/L	0.78 NTU	-273.6 mV	14.35 ft	400.00 ml/min
9/2/2022 3:36 PM	01:30:00	6.49 pH	18.33 °C	8,711.7 μ S/cm	0.13 mg/L	0.74 NTU	-277.4 mV	14.35 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-10R	Sample time 1540

Low-Flow Test Report:

Test Date / Time: 9/2/2022 12:07:21 PM

Project: Smith Plant MW-11R 9-2-22

Operator Name: Trevor Braddock

Location Name: Smith MW-11R 9-2-22 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 21.3 ft Total Depth: 31.3 ft Initial Depth to Water: 8.88 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 26.3 ft Estimated Total Volume Pumped: 14000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 4.15 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	--	---

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	
9/2/2022 12:07 PM	00:00	5.59 pH	25.45 °C	7,792.0 µS/cm	0.25 mg/L	7.72 NTU	-34.2 mV	8.88 ft	400.00 ml/min
9/2/2022 12:12 PM	05:00	6.09 pH	21.92 °C	7,846.8 µS/cm	0.17 mg/L	9.39 NTU	-115.2 mV	11.95 ft	400.00 ml/min
9/2/2022 12:17 PM	10:00	6.50 pH	22.34 °C	7,739.3 µS/cm	0.12 mg/L	22.40 NTU	-216.1 mV	12.33 ft	400.00 ml/min
9/2/2022 12:22 PM	15:00	6.40 pH	21.12 °C	8,002.6 µS/cm	0.12 mg/L	15.60 NTU	-240.2 mV	12.68 ft	400.00 ml/min
9/2/2022 12:27 PM	20:00	6.40 pH	20.60 °C	8,090.8 µS/cm	0.12 mg/L	9.72 NTU	-256.7 mV	12.89 ft	400.00 ml/min
9/2/2022 12:32 PM	25:00	6.39 pH	20.29 °C	8,147.9 µS/cm	0.12 mg/L	3.05 NTU	-262.1 mV	12.98 ft	400.00 ml/min
9/2/2022 12:37 PM	30:00	6.40 pH	20.42 °C	8,135.2 µS/cm	0.12 mg/L	3.01 NTU	-269.7 mV	13.02 ft	400.00 ml/min
9/2/2022 12:42 PM	35:00	6.41 pH	20.39 °C	8,063.9 µS/cm	0.12 mg/L	2.79 NTU	-274.0 mV	13.03 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-11R	Sample time 1245

Low-Flow Test Report:

Test Date / Time: 9/2/2022 11:52:51 AM

Project: Smith CCR MW-13R

Operator Name: Rick Hagendorfer

Location Name: Smith CCR MW-13R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 22.3 ft Total Depth: 32.3 ft Initial Depth to Water: 4.3 ft	Pump Type: PP Tubing Type: PE Pump Intake From TOC: 27.3 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 4.56 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
---	---	--

Test Notes:

Weather Conditions:

P/C 88

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
9/2/2022 11:52 AM	00:00	6.35 pH	26.44 °C	9,771.5 µS/cm	0.23 mg/L		-165.1 mV	4.30 ft	400.00 ml/min
9/2/2022 11:57 AM	05:00	6.41 pH	25.68 °C	9,411.5 µS/cm	0.16 mg/L	2.04 NTU	-223.1 mV	6.98 ft	400.00 ml/min
9/2/2022 12:02 PM	10:00	6.27 pH	25.67 °C	9,549.2 µS/cm	0.13 mg/L	2.31 NTU	-199.9 mV	7.96 ft	400.00 ml/min
9/2/2022 12:07 PM	15:00	6.16 pH	25.60 °C	9,842.6 µS/cm	0.12 mg/L	1.36 NTU	-225.0 mV	8.39 ft	400.00 ml/min
9/2/2022 12:12 PM	20:00	6.09 pH	25.41 °C	10,014 µS/cm	0.12 mg/L	2.07 NTU	-238.6 mV	8.59 ft	400.00 ml/min
9/2/2022 12:17 PM	25:00	6.03 pH	25.40 °C	10,086 µS/cm	0.11 mg/L	0.83 NTU	-239.9 mV	8.74 ft	400.00 ml/min
9/2/2022 12:22 PM	30:00	5.97 pH	25.23 °C	10,258 µS/cm	0.11 mg/L	0.95 NTU	-238.4 mV	8.86 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-13R	Sample time 1226.

Low-Flow Test Report:

Test Date / Time: 9/2/2022 10:16:29 AM

Project: Smith Plant MW-14R 9 2-22

Operator Name: Trevor Braddock

Location Name: Smith MW-14R Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 15.1 ft Total Depth: 25.1 ft Initial Depth to Water: 5.46 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 20.1 ft Estimated Total Volume Pumped: 28000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 1.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
---	---	--

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	
9/2/2022 10:16 AM	00:00	7.50 pH	23.41 °C	636.04 µS/cm	0.25 mg/L	10.40 NTU	0.3 mV	5.46 ft	400.00 ml/min
9/2/2022 10:21 AM	05:00	7.55 pH	20.30 °C	664.77 µS/cm	0.19 mg/L	9.76 NTU	-59.5 mV	6.42 ft	400.00 ml/min
9/2/2022 10:26 AM	10:00	7.53 pH	19.94 °C	756.42 µS/cm	0.16 mg/L	6.77 NTU	-95.1 mV	6.55 ft	400.00 ml/min
9/2/2022 10:31 AM	15:00	7.53 pH	19.88 °C	791.99 µS/cm	0.15 mg/L	5.54 NTU	-141.8 mV	6.59 ft	400.00 ml/min
9/2/2022 10:36 AM	20:00	7.52 pH	19.68 °C	845.51 µS/cm	0.14 mg/L	5.59 NTU	-188.3 mV	6.59 ft	400.00 ml/min
9/2/2022 10:41 AM	25:00	7.53 pH	19.49 °C	854.17 µS/cm	0.14 mg/L	5.63 NTU	-220.1 mV	6.59 ft	400.00 ml/min
9/2/2022 10:46 AM	30:00	7.52 pH	19.45 °C	914.89 µS/cm	0.14 mg/L	5.32 NTU	-238.7 mV	6.59 ft	400.00 ml/min
9/2/2022 10:51 AM	35:00	7.52 pH	19.53 °C	903.99 µS/cm	0.13 mg/L	5.20 NTU	-251.7 mV	6.59 ft	400.00 ml/min
9/2/2022 10:56 AM	40:00	7.51 pH	19.56 °C	938.07 µS/cm	0.13 mg/L	5.34 NTU	-258.9 mV	6.59 ft	400.00 ml/min
9/2/2022 11:01 AM	45:00	7.50 pH	19.55 °C	990.01 µS/cm	0.13 mg/L	5.01 NTU	-265.5 mV	6.59 ft	400.00 ml/min
9/2/2022 11:06 AM	50:00	7.51 pH	19.72 °C	977.11 µS/cm	0.13 mg/L	5.55 NTU	-270.5 mV	6.59 ft	400.00 ml/min
9/2/2022 11:11 AM	55:00	7.50 pH	19.64 °C	1,032.0 µS/cm	0.13 mg/L	5.83 NTU	-275.9 mV	6.59 ft	400.00 ml/min
9/2/2022 11:16 AM	01:00:00	7.50 pH	19.54 °C	1,025.7 µS/cm	0.13 mg/L	5.11 NTU	-281.0 mV	6.59 ft	400.00 ml/min

9/2/2022 11:21 AM	01:05:00	7.50 pH	19.44 °C	1,046.1 µS/cm	0.13 mg/L	4.92 NTU	-286.3 mV	6.59 ft	400.00 ml/min
9/2/2022 11:26 AM	01:10:00	7.50 pH	19.51 °C	1,066.7 µS/cm	0.12 mg/L	4.67 NTU	-291.2 mV	6.59 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-14R	Sample time 1127

Low-Flow Test Report:

Test Date / Time: 9/2/2022 8:11:36 AM

Project: Smith Plant MWI-12A 9-2-22

Operator Name: Trevor Braddock

Location Name: Smith Mwi-12A 9-2-22 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 5.5 ft Total Depth: 15.5 ft Initial Depth to Water: 6.92 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 10.5 ft Estimated Total Volume Pumped: 20180 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 1.77 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	---	--

Test Notes:

Weather Conditions:

Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/2/2022 8:11 AM	00:00	6.07 pH	22.01 °C	1,007.4 µS/cm	0.85 mg/L	6.04 NTU	88.2 mV	6.92 ft	400.00 ml/min
9/2/2022 8:16 AM	05:00	6.15 pH	17.41 °C	859.61 µS/cm	2.94 mg/L	3.40 NTU	74.0 mV	8.82 ft	400.00 ml/min
9/2/2022 8:21 AM	10:00	6.08 pH	17.36 °C	1,107.3 µS/cm	0.35 mg/L	4.84 NTU	64.4 mV	8.69 ft	400.00 ml/min
9/2/2022 8:26 AM	15:00	6.18 pH	17.73 °C	1,125.9 µS/cm	1.10 mg/L	2.77 NTU	59.1 mV	8.69 ft	400.00 ml/min
9/2/2022 8:31 AM	20:00	6.20 pH	17.86 °C	1,088.7 µS/cm	0.94 mg/L	1.79 NTU	52.0 mV	8.69 ft	400.00 ml/min
9/2/2022 8:36 AM	25:00	6.22 pH	18.63 °C	1,061.4 µS/cm	1.08 mg/L	1.05 NTU	46.1 mV	8.69 ft	400.00 ml/min
9/2/2022 8:41 AM	30:00	6.20 pH	18.91 °C	1,074.7 µS/cm	1.08 mg/L	0.92 NTU	41.7 mV	8.69 ft	400.00 ml/min
9/2/2022 8:42 AM	30:27	6.19 pH	19.80 °C	1,057.7 µS/cm	0.98 mg/L	0.92 NTU	41.0 mV	8.69 ft	400.00 ml/min
9/2/2022 8:47 AM	35:27	6.21 pH	18.53 °C	1,071.8 µS/cm	0.75 mg/L	0.90 NTU	39.3 mV	8.69 ft	400.00 ml/min
9/2/2022 8:52 AM	40:27	6.21 pH	18.19 °C	1,088.1 µS/cm	0.59 mg/L	0.87 NTU	28.4 mV	8.69 ft	400.00 ml/min
9/2/2022 8:57 AM	45:27	6.22 pH	18.33 °C	1,087.0 µS/cm	0.65 mg/L	0.88 NTU	20.8 mV	8.69 ft	400.00 ml/min
9/2/2022 9:02 AM	50:27	6.19 pH	18.25 °C	1,097.2 µS/cm	0.59 mg/L	0.84 NTU	17.1 mV	8.69 ft	400.00 ml/min

Samples

Sample ID:	Description:
MWI-12A	Sample time 0903

Low-Flow Test Report:

Test Date / Time: 9/6/2022 11:34:07 AM

Project: Smith Plant PZ-14R 9-6-22

Operator Name: Trevor Braddock

Location Name: Smith PZ-14 Latitude: 30.2686625207049 Longitude: -85.6981176137924 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 15 ft Total Depth: 25 ft Initial Depth to Water: 1.94 ft	Pump Type: Pp Tubing Type: Pe Pump Intake From TOC: 20 ft Estimated Total Volume Pumped: 26000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 3.47 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
--	---	--

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	
9/6/2022 11:34 AM	00:00	6.02 pH	23.16 °C	6,185.5 µS/cm	0.62 mg/L	7.19 NTU	83.4 mV	1.94 ft	400.00 ml/min
9/6/2022 11:39 AM	05:00	6.30 pH	17.36 °C	7,415.5 µS/cm	0.20 mg/L	4.28 NTU	11.2 mV	4.73 ft	400.00 ml/min
9/6/2022 11:44 AM	10:00	6.33 pH	17.58 °C	7,566.6 µS/cm	0.17 mg/L	3.99 NTU	-24.4 mV	5.41 ft	400.00 ml/min
9/6/2022 11:49 AM	15:00	6.35 pH	17.45 °C	7,828.6 µS/cm	0.17 mg/L	2.92 NTU	-104.6 mV	5.41 ft	400.00 ml/min
9/6/2022 11:54 AM	20:00	6.34 pH	17.34 °C	7,926.4 µS/cm	0.16 mg/L	2.21 NTU	-180.6 mV	5.41 ft	400.00 ml/min
9/6/2022 11:59 AM	25:00	6.29 pH	17.30 °C	8,017.5 µS/cm	0.16 mg/L	2.23 NTU	-231.4 mV	5.41 ft	400.00 ml/min
9/6/2022 12:04 PM	30:00	6.28 pH	17.36 °C	8,041.4 µS/cm	0.16 mg/L	1.79 NTU	-272.5 mV	5.41 ft	400.00 ml/min
9/6/2022 12:09 PM	35:00	6.26 pH	17.34 °C	8,096.4 µS/cm	0.15 mg/L	2.18 NTU	-312.8 mV	5.41 ft	400.00 ml/min
9/6/2022 12:14 PM	40:00	6.26 pH	17.37 °C	8,088.1 µS/cm	0.15 mg/L	2.17 NTU	-345.7 mV	5.41 ft	400.00 ml/min
9/6/2022 12:19 PM	45:00	6.26 pH	17.39 °C	8,176.1 µS/cm	0.15 mg/L	1.46 NTU	-367.7 mV	5.41 ft	400.00 ml/min
9/6/2022 12:24 PM	50:00	6.26 pH	17.48 °C	8,171.6 µS/cm	0.15 mg/L	1.90 NTU	-391.9 mV	5.41 ft	400.00 ml/min
9/6/2022 12:29 PM	55:00	6.26 pH	17.54 °C	8,150.9 µS/cm	0.15 mg/L	2.22 NTU	-407.2 mV	5.41 ft	400.00 ml/min
9/6/2022 12:34 PM	01:00:00	6.25 pH	17.63 °C	8,158.7 µS/cm	0.15 mg/L	1.69 NTU	-415.3 mV	5.41 ft	400.00 ml/min

9/6/2022 12:39 PM	01:05:00	6.25 pH	17.64 °C	8,239.3 μS/cm	0.15 mg/L	1.44 NTU	-425.5 mV	5.41 ft	400.00 ml/min
----------------------	----------	---------	----------	------------------	-----------	----------	-----------	---------	---------------

Samples

Sample ID:	Description:
PZ-14	Sample time 1240


ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-225435-1
Laboratory Sample Delivery Group: Upgradient
Client Project/Site: CCR Smith Plant

For:
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
10/18/2022 3:54:48 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	12
Chronicle	13
QC Association	15
QC Sample Results	18
Chain of Custody	25
Receipt Checklists	26
Certification Summary	27

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Job ID: 400-225435-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-225435-1

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 9/3/2022 10:30 AM. 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 4.4° C.

HPLC/IC

Method 300.0: The following sample was diluted due to the abundance of non-target analytes: MW-12 (400-225435-3). Elevated reporting limits (RLs) are provided.

Metals

Method 6020: The ICV for batch 400-592624 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 SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-591489 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-12 (400-225435-3). 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 Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-02

Lab Sample ID: 400-225435-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.014		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.032	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	9.7		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0017	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	8.5		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	5.73				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-03

Lab Sample ID: 400-225435-2

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
Calcium	2.9		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0010	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.010		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	56		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	12		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	1.4	I	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-12

Lab Sample ID: 400-225435-3

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	0.083		0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	31		0.25	0.13	mg/L	5		6020	Total Recoverable
Lithium	0.012		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	530		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	160		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	19		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: DUP-01

Lab Sample ID: 400-225435-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.014		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.031	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	11		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0016	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225435-1
 SDG: Upgradient

Client Sample ID: DUP-01 (Continued)

Lab Sample ID: 400-225435-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.0021		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	60		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	8.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.9	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	5.73				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 Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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 Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225435-1	MW-02	Water	09/01/22 17:35	09/03/22 10:30
400-225435-2	MW-03	Water	09/01/22 16:41	09/03/22 10:30
400-225435-3	MW-12	Water	09/01/22 17:20	09/03/22 10:30
400-225435-4	DUP-01	Water	09/01/22 16:35	09/03/22 10:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-02
Date Collected: 09/01/22 17:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-1
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			09/06/22 23:47	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		09/07/22 15:11	09/14/22 19:00	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 19:00	5
Barium	0.014		0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 19:00	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 19:00	5
Boron	0.032	I	0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 19:00	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 19:00	5
Calcium	9.7		0.25	0.13	mg/L		09/07/22 15:11	09/17/22 02:03	5
Chromium	0.0017	I	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 19:00	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 19:00	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 19:00	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/17/22 02:03	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 19:00	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/15/22 16:51	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 19:00	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		09/19/22 08:00	09/21/22 12:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	110		5.0	5.0	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	8.5		2.0	1.4	mg/L			09/10/22 23:23	1
Sulfate (SM 4500 SO4 E)	4.5	I	5.0	1.4	mg/L			09/11/22 19:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.73				SU			09/01/22 17:35	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-03
Date Collected: 09/01/22 16:41
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-2
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			09/07/22 00:50	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		09/07/22 15:11	09/14/22 19:25	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 19:25	5
Barium	0.024		0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 19:25	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 19:25	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 19:25	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 19:25	5
Calcium	2.9		0.25	0.13	mg/L		09/07/22 15:11	09/14/22 19:25	5
Chromium	0.0010	I	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 19:25	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 19:25	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 19:25	5
Lithium	0.010		0.0050	0.0049	mg/L		09/07/22 15:11	09/17/22 02:06	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 19:25	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/15/22 16:54	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 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		09/19/22 08:00	09/21/22 12:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	56		5.0	5.0	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	12		2.0	1.4	mg/L			09/10/22 23:24	1
Sulfate (SM 4500 SO4 E)	1.4	I	5.0	1.4	mg/L			09/11/22 19:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.91				SU			09/01/22 16:41	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-12
Date Collected: 09/01/22 17:20
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-3
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			09/07/22 16:44	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		09/07/22 15:11	09/14/22 19:28	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 19:28	5
Barium	0.012		0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 19:28	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 19:28	5
Boron	0.083		0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 19:28	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 19:28	5
Calcium	31		0.25	0.13	mg/L		09/07/22 15:11	09/14/22 19:28	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 19:28	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 19:28	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 19:28	5
Lithium	0.012		0.0050	0.0049	mg/L		09/07/22 15:11	09/17/22 02:09	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 19:28	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/15/22 16:57	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 19:28	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		09/19/22 08:00	09/21/22 12:43	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			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	160		10	7.0	mg/L			09/10/22 23:24	5
Sulfate (SM 4500 SO4 E)	19		5.0	1.4	mg/L			09/11/22 19:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.00				SU			09/01/22 17:20	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: DUP-01

Lab Sample ID: 400-225435-4

Date Collected: 09/01/22 16:35

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 01:31	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		09/07/22 15:11	09/14/22 19:32	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 19:32	5
Barium	0.014		0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 19:32	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 19:32	5
Boron	0.031	I	0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 19:32	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 19:32	5
Calcium	11		0.25	0.13	mg/L		09/07/22 15:11	09/14/22 19:32	5
Chromium	0.0016	I	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 19:32	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 19:32	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 19:32	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/17/22 02:34	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 19:32	5
Selenium	0.0021		0.0013	0.00082	mg/L		09/07/22 15:11	09/17/22 02:34	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 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		09/19/22 08:00	09/21/22 12:54	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	60		5.0	5.0	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	8.3		2.0	1.4	mg/L			09/10/22 23:22	1
Sulfate (SM 4500 SO4 E)	4.9	I	5.0	1.4	mg/L			09/11/22 19:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.73				SU			09/01/22 16:35	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
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.

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-02
Date Collected: 09/01/22 17:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/06/22 23:47
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592624	NTH	EET PEN	09/14/22 19:00
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 16:51
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592944	NTH	EET PEN	09/17/22 02:03
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:39
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 Cl- E		1	592088	DN1	EET PEN	09/10/22 23:23
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 19:54
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/01/22 17:35

Client Sample ID: MW-03
Date Collected: 09/01/22 16:41
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/07/22 00:50
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592624	NTH	EET PEN	09/14/22 19:25
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 16:54
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592944	NTH	EET PEN	09/17/22 02:06
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:41
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 Cl- E		1	592088	DN1	EET PEN	09/10/22 23:24
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 19:55
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/01/22 16:41

Client Sample ID: MW-12
Date Collected: 09/01/22 17:20
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 16:44
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592624	NTH	EET PEN	09/14/22 19:28
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 16:57

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Client Sample ID: MW-12

Lab Sample ID: 400-225435-3

Date Collected: 09/01/22 17:20

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592944	NTH	EET PEN	09/17/22 02:09
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:43
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 Cl- E		5	592088	DN1	EET PEN	09/10/22 23:24
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 19:57
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/01/22 17:20

Client Sample ID: DUP-01

Lab Sample ID: 400-225435-4

Date Collected: 09/01/22 16:35

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/07/22 01:31
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592624	NTH	EET PEN	09/14/22 19:32
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592944	NTH	EET PEN	09/17/22 02:34
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:54
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 Cl- E		1	592088	DN1	EET PEN	09/10/22 23:22
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 19:57
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/01/22 16:35

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

HPLC/IC

Analysis Batch: 591544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	300.0	
400-225435-2	MW-03	Total/NA	Water	300.0	
400-225435-4	DUP-01	Total/NA	Water	300.0	
MB 400-591544/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591544/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591544/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225433-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225433-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 591603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-3	MW-12	Total/NA	Water	300.0	
MB 400-591603/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591603/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591603/24	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225433-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225433-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 591676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total Recoverable	Water	3005A	
400-225435-2	MW-03	Total Recoverable	Water	3005A	
400-225435-3	MW-12	Total Recoverable	Water	3005A	
400-225435-4	DUP-01	Total Recoverable	Water	3005A	
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225434-C-1-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225434-C-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 592429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
400-225434-C-1-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	591676
400-225434-C-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	591676

Analysis Batch: 592624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total Recoverable	Water	6020	591676
400-225435-2	MW-03	Total Recoverable	Water	6020	591676
400-225435-3	MW-12	Total Recoverable	Water	6020	591676
400-225435-4	DUP-01	Total Recoverable	Water	6020	591676
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676

Analysis Batch: 592756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total Recoverable	Water	6020	591676
400-225435-2	MW-03	Total Recoverable	Water	6020	591676

Eurofins Pensacola

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Metals (Continued)

Analysis Batch: 592756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-3	MW-12	Total Recoverable	Water	6020	591676
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676

Prep Batch: 592937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	7470A	
400-225435-2	MW-03	Total/NA	Water	7470A	
400-225435-3	MW-12	Total/NA	Water	7470A	
400-225435-4	DUP-01	Total/NA	Water	7470A	
MB 400-592937/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-592937/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225433-C-2-D MS	Matrix Spike	Total/NA	Water	7470A	
400-225433-C-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 592944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total Recoverable	Water	6020	591676
400-225435-2	MW-03	Total Recoverable	Water	6020	591676
400-225435-3	MW-12	Total Recoverable	Water	6020	591676
400-225435-4	DUP-01	Total Recoverable	Water	6020	591676

Analysis Batch: 593446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	7470A	592937
400-225435-2	MW-03	Total/NA	Water	7470A	592937
400-225435-3	MW-12	Total/NA	Water	7470A	592937
400-225435-4	DUP-01	Total/NA	Water	7470A	592937
MB 400-592937/14-A	Method Blank	Total/NA	Water	7470A	592937
LCS 400-592937/15-A	Lab Control Sample	Total/NA	Water	7470A	592937
400-225433-C-2-D MS	Matrix Spike	Total/NA	Water	7470A	592937
400-225433-C-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	592937

General Chemistry

Analysis Batch: 591489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	SM 2540C	
400-225435-2	MW-03	Total/NA	Water	SM 2540C	
400-225435-3	MW-12	Total/NA	Water	SM 2540C	
400-225435-4	DUP-01	Total/NA	Water	SM 2540C	
MB 400-591489/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-591489/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225435-2 DU	MW-03	Total/NA	Water	SM 2540C	

Analysis Batch: 592088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	SM 4500 CI- E	
400-225435-2	MW-03	Total/NA	Water	SM 4500 CI- E	
400-225435-3	MW-12	Total/NA	Water	SM 4500 CI- E	
400-225435-4	DUP-01	Total/NA	Water	SM 4500 CI- E	

Eurofins Pensacola

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

General Chemistry (Continued)

Analysis Batch: 592088 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-592088/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592088/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592088/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225499-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225499-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	SM 4500 SO4 E	
400-225435-2	MW-03	Total/NA	Water	SM 4500 SO4 E	
400-225435-3	MW-12	Total/NA	Water	SM 4500 SO4 E	
400-225435-4	DUP-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-592115/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592115/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592115/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225435-2 MS	MW-03	Total/NA	Water	SM 4500 SO4 E	
400-225435-2 MSD	MW-03	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 596277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	Field Sampling	
400-225435-2	MW-03	Total/NA	Water	Field Sampling	
400-225435-3	MW-12	Total/NA	Water	Field Sampling	
400-225435-4	DUP-01	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-591544/5
Matrix: Water
Analysis Batch: 591544

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			09/06/22 16:30	1

Lab Sample ID: LCS 400-591544/6
Matrix: Water
Analysis Batch: 591544

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 400-591544/7
Matrix: Water
Analysis Batch: 591544

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	11.0		mg/L		110	90 - 110	3	15

Lab Sample ID: 400-225433-B-1 MS
Matrix: Water
Analysis Batch: 591544

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	14	U	1000	1180		mg/L		118	80 - 120

Lab Sample ID: 400-225433-B-1 MSD
Matrix: Water
Analysis Batch: 591544

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	14	U	1000	1180		mg/L		118	80 - 120	0	20

Lab Sample ID: MB 400-591603/5
Matrix: Water
Analysis Batch: 591603

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			09/07/22 10:50	1

Lab Sample ID: LCS 400-591603/6
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 400-591603/24
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110	1	15

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 400-225433-B-1 MS
Matrix: Water
Analysis Batch: 591603

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	0.14	U	10.0	8.90		mg/L		89	80 - 120

Lab Sample ID: 400-225433-B-1 MSD
Matrix: Water
Analysis Batch: 591603

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	0.14	U	10.0	9.20		mg/L		92	80 - 120	3	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/13/22 17:53	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/13/22 17:53	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/13/22 17:53	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/07/22 15:11	09/13/22 17:53	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/13/22 17:53	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/13/22 17:53	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/13/22 17:53	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/13/22 17:53	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/13/22 17:53	5

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/14/22 17:54	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 17:54	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 17:54	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 17:54	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 17:54	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 17:54	5
Calcium	0.13	U	0.25	0.13	mg/L		09/07/22 15:11	09/14/22 17:54	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 17:54	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 17:54	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 17:54	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 17:54	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 17:54	5

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/15/22 15:59	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/15/22 15:59	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/15/22 15:59	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/15/22 15:59	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/15/22 15:59	5
Calcium	0.835		0.25	0.13	mg/L		09/07/22 15:11	09/15/22 15:59	5
Chromium	0.00116	I	0.0025	0.0010	mg/L		09/07/22 15:11	09/15/22 15:59	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/15/22 15:59	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/15/22 15:59	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/15/22 15:59	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/15/22 15:59	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/15/22 15:59	5

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0512		mg/L		102	80 - 120
Beryllium	0.0500	0.0511		mg/L		102	80 - 120
Calcium	5.00	5.46		mg/L		109	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Cobalt	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0518		mg/L		104	80 - 120
Lithium	0.0500	0.0520		mg/L		104	80 - 120
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0516		mg/L		103	80 - 120
Thallium	0.0100	0.0103		mg/L		103	80 - 120

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0512		mg/L		102	80 - 120
Barium	0.0500	0.0528		mg/L		106	80 - 120
Beryllium	0.0500	0.0514		mg/L		103	80 - 120
Boron	0.100	0.0965		mg/L		97	80 - 120
Cadmium	0.0500	0.0511		mg/L		102	80 - 120
Calcium	5.00	5.52		mg/L		110	80 - 120
Chromium	0.0500	0.0525		mg/L		105	80 - 120
Cobalt	0.0500	0.0521		mg/L		104	80 - 120
Lead	0.0500	0.0512		mg/L		102	80 - 120
Molybdenum	0.0500	0.0523		mg/L		105	80 - 120
Thallium	0.0100	0.0105		mg/L		105	80 - 120

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Antimony	0.0500	0.0512		mg/L		102	80 - 120	
Arsenic	0.0500	0.0529		mg/L		106	80 - 120	
Barium	0.0500	0.0529		mg/L		106	80 - 120	
Beryllium	0.0500	0.0500		mg/L		100	80 - 120	
Cadmium	0.0500	0.0512		mg/L		102	80 - 120	
Chromium	0.0500	0.0532		mg/L		106	80 - 120	
Cobalt	0.0500	0.0527		mg/L		105	80 - 120	
Lead	0.0500	0.0517		mg/L		103	80 - 120	
Molybdenum	0.0500	0.0509		mg/L		102	80 - 120	
Selenium	0.0500	0.0477		mg/L		95	80 - 120	
Thallium	0.0100	0.0101		mg/L		101	80 - 120	

Lab Sample ID: 400-225434-C-1-B MS ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Antimony	0.0015	U	0.0500	0.0524		mg/L		105	75 - 125	
Arsenic	0.0012	U	0.0500	0.0436		mg/L		87	75 - 125	
Barium	0.054		0.0500	0.103		mg/L		99	75 - 125	
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102	75 - 125	
Boron	6.6	L	0.100	6.79	L J3	mg/L		169	75 - 125	
Cadmium	0.0011	I V	0.0500	0.0544		mg/L		107	75 - 125	
Calcium	76	L	5.00	81.8	L	mg/L		116	75 - 125	
Chromium	0.0010	U	0.0500	0.0552		mg/L		110	75 - 125	
Cobalt	0.00056	U	0.0500	0.0503		mg/L		101	75 - 125	
Lead	0.00081	U	0.0500	0.0500		mg/L		100	75 - 125	
Lithium	0.0049	U	0.0500	0.0550		mg/L		110	75 - 125	
Molybdenum	0.018		0.0500	0.0677		mg/L		100	75 - 125	
Selenium	0.00082	U	0.0500	0.0383		mg/L		77	75 - 125	
Thallium	0.00046	U	0.0100	0.00993		mg/L		99	75 - 125	

Lab Sample ID: 400-225434-C-1-C MSD ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
									Limits		RPD	Limit
Antimony	0.0015	U	0.0500	0.0520		mg/L		104	75 - 125	1	20	
Arsenic	0.0012	U	0.0500	0.0583	J3	mg/L		117	75 - 125	29	20	
Barium	0.054		0.0500	0.106		mg/L		104	75 - 125	2	20	
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102	75 - 125	0	20	
Boron	6.6	L	0.100	6.91	L J3	mg/L		289	75 - 125	2	20	
Cadmium	0.0011	I V	0.0500	0.0583		mg/L		115	75 - 125	7	20	
Calcium	76	L	5.00	82.6	L J3	mg/L		132	75 - 125	1	20	
Chromium	0.0010	U	0.0500	0.0540		mg/L		108	75 - 125	2	20	
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	1	20	
Lead	0.00081	U	0.0500	0.0516		mg/L		103	75 - 125	3	20	
Lithium	0.0049	U	0.0500	0.0497		mg/L		99	75 - 125	10	20	
Molybdenum	0.018		0.0500	0.0659		mg/L		96	75 - 125	3	20	

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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

Lab Sample ID: 400-225434-C-1-C MSD ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	0.00082	U	0.0500	0.0360	J3	mg/L		72	75 - 125	6	20
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-592937/14-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592937

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/19/22 08:00	09/21/22 11:36	1

Lab Sample ID: LCS 400-592937/15-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592937

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: 400-225433-C-2-D MS
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 592937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00207		mg/L		103	80 - 120

Lab Sample ID: 400-225433-C-2-E MSD
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 592937

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	0.00198		mg/L		98	80 - 120	5	20

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

Lab Sample ID: MB 400-591489/1
Matrix: Water
Analysis Batch: 591489

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			09/06/22 13:47	1

Lab Sample ID: LCS 400-591489/2
Matrix: Water
Analysis Batch: 591489

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

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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

Lab Sample ID: 400-225435-2 DU
Matrix: Water
Analysis Batch: 591489

Client Sample ID: MW-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	56		74.0	J3	mg/L		28	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-592088/13
Matrix: Water
Analysis Batch: 592088

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			09/10/22 23:17	1

Lab Sample ID: LCS 400-592088/14
Matrix: Water
Analysis Batch: 592088

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	49.4		mg/L		99	90 - 110

Lab Sample ID: MRL 400-592088/15
Matrix: Water
Analysis Batch: 592088

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	1.75	I	mg/L		87	50 - 150

Lab Sample ID: 400-225499-C-2 MS
Matrix: Water
Analysis Batch: 592088

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	8.7		10.0	18.1		mg/L		94	73 - 120

Lab Sample ID: 400-225499-C-2 MSD
Matrix: Water
Analysis Batch: 592088

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	8.7		10.0	18.3		mg/L		97	73 - 120	1	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-592115/12
Matrix: Water
Analysis Batch: 592115

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			09/11/22 19:52	1

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 400-592115/13
Matrix: Water
Analysis Batch: 592115

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	14.6		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592115/14
Matrix: Water
Analysis Batch: 592115

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	4.25	I	mg/L		85	50 - 150

Lab Sample ID: 400-225435-2 MS
Matrix: Water
Analysis Batch: 592115

Client Sample ID: MW-03
Prep Type: Total/NA


Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	1.4	I	10.0	9.20		mg/L		78	77 - 128

Lab Sample ID: 400-225435-2 MSD
Matrix: Water
Analysis Batch: 592115

Client Sample ID: MW-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	1.4	I	10.0	9.36		mg/L		79	77 - 128	2	5

Chain of Custody Record

Client Information		Sampler: <i>Mike Henderson / Brent Beck</i>		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s): 400-113780-23565.1							
Client Contact: Barry Evans		Phone: <i>850-336-0192</i>		E-Mail: Cheyenne.Whitmire@et.eurofins.com		Page: Page 1 of 2							
Company: Florida Power and Light		PWSID:		State of Origin:		Job #:							
Address: BIN 731 One Energy Place		Due Date Requested:		Analysis Requested		Preservation Codes:							
City: Pensacola		TAT Requested (days):		Field Sampling - Field Sampling Parameters		A - HCL N - None M - Hexane B - NaOH O - AsNaO2 C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)							
State, Zip: FL, 32520		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5M4500_Cl_E - Chloride									
Phone: 850-444-6427 (Tel)		PO #: 2000403482		54500_F_C - Fluoride									
Email: Barry.Evans@nexteraenergy.com		WO #: 3000004117		6020_7470A									
Project Name: CCR Smith Plant		Project #: 40006609		9315_Ra226_9320_Ra228_Ra226Ra228_GFPC									
Event Desc: CCR Smith Plant		SSOW#:		5M4500_MS/MSD (Yes or No)									
Site: Florida				Field Filtered Sample (Yes or No)									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (w=water, s=solid, o=wastewater, bt=tissue, a=air)	Preservation Code:	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	9315_Ra226_9320_Ra228_Ra226Ra228_GFPC	5M4500_Cl_E - Chloride	6020_7470A	54500_F_C - Fluoride	5M4500_MS/MSD (Yes or No)	Carrier Tracking No(s)
MW-02	9-1-22	1735	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	400-113780-23565.1
MW-03	9-1-22	1641	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	
MW-12	9-1-22	1720	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	
DUP-01	9-1-22	1635	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	
				Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	
													
400-225435 COC													
<p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological</p> <p>Deliverable Requested: <input type="checkbox"/> I, II, III, IV, Other (specify)</p> <p>Empty Kit Relinquished by: _____ Date: _____ Time: _____</p> <p>Relinquished by: <i>Mike Henderson</i> Date/Time: 9-3-22 0915 Company: <i>RDH ENV</i></p> <p>Relinquished by: <i>Mike Henderson</i> Date/Time: 9-3-22 10:30 Company: <i>RDH ENV</i></p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: <i>4.4°C 0.9°C IR8</i></p>													

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225435-1

SDG Number: Upgradient

Login Number: 225435

List Number: 1

Creator: Perez, Trina M

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	4.4°C IR-8
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 Smith Plant

Job ID: 400-225435-1
SDG: Upgradient

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	09-30-22
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	09-30-22
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

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-225435-2
Laboratory Sample Delivery Group: Upgradient
Client Project/Site: CCR Smith Plant

For:
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
10/6/2022 10:03:57 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	10
Chronicle	11
QC Association	12
QC Sample Results	13
Chain of Custody	15
Receipt Checklists	16
Certification Summary	18

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Job ID: 400-225435-2

Laboratory: Eurofins Pensacola

Narrative

**Job Narrative
400-225435-2**

Receipt

The samples were received on 9/3/2022 11:46 AM. 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 time was 4.4°C

Gas Flow Proportional Counter

Method 9315_Ra226: Radium-226 batch 581325. 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-02 (400-225435-1), MW-03 (400-225435-2), MW-12 (400-225435-3), DUP-01 (400-225435-4), (LCS 160-581325/2-A), (LCSD 160-581325/3-A) and (MB 160-581325/1-A)

Method 9320_Ra228: Radium 228 Batch 160-581384. 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-02 (400-225435-1), MW-03 (400-225435-2), MW-12 (400-225435-3), DUP-01 (400-225435-4), (LCS 160-581384/2-A), (LCSD 160-581384/3-A) and (MB 160-581384/1-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 Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

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 Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225435-1	MW-02	Water	09/01/22 17:35	09/03/22 10:30
400-225435-2	MW-03	Water	09/01/22 16:41	09/03/22 10:30
400-225435-3	MW-12	Water	09/01/22 17:20	09/03/22 10:30
400-225435-4	DUP-01	Water	09/01/22 16:35	09/03/22 10:30

1

2

3

4

5

6

7

8

9

10

11

12

13

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Client Sample ID: MW-02
Date Collected: 09/01/22 17:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-1
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	1.04		0.185	0.208	1.00	0.0969	pCi/L	09/08/22 18:47	09/30/22 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					09/08/22 18:47	09/30/22 14:05	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.359	U	0.334	0.336	1.00	0.531	pCi/L	09/08/22 19:08	09/23/22 11:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					09/08/22 19:08	09/23/22 11:13	1
Y Carrier	80.4		40 - 110					09/08/22 19:08	09/23/22 11:13	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	1.40		0.382	0.395	5.00	0.531	pCi/L		10/03/22 12:30	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Client Sample ID: MW-03
Date Collected: 09/01/22 16:41
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-2
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	1.21		0.199	0.227	1.00	0.100	pCi/L	09/08/22 18:47	09/30/22 14:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110					09/08/22 18:47	09/30/22 14:06	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	0.766		0.354	0.361	1.00	0.469	pCi/L	09/08/22 19:08	09/23/22 11:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110					09/08/22 19:08	09/23/22 11:13	1
Y Carrier	80.4		40 - 110					09/08/22 19:08	09/23/22 11:13	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	1.98		0.406	0.426	5.00	0.469	pCi/L		10/03/22 12:30	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Client Sample ID: MW-12
Date Collected: 09/01/22 17:20
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-3
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		0.243	0.288	1.00	0.115	pCi/L	09/08/22 18:47	09/30/22 14:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					09/08/22 18:47	09/30/22 14:06	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	0.890		0.369	0.378	1.00	0.460	pCi/L	09/08/22 19:08	09/23/22 11:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					09/08/22 19:08	09/23/22 11:13	1
Y Carrier	81.9		40 - 110					09/08/22 19:08	09/23/22 11:13	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	2.61		0.442	0.475	5.00	0.460	pCi/L		10/03/22 12:30	1

Client Sample Results

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225435-2
 SDG: Upgradient

Client Sample ID: DUP-01
Date Collected: 09/01/22 16:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-4
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	0.971		0.180	0.200	1.00	0.0927	pCi/L	09/08/22 18:47	09/30/22 14:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					09/08/22 18:47	09/30/22 14:06	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	-0.0265	U	0.281	0.281	1.00	0.530	pCi/L	09/08/22 19:08	09/23/22 11:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					09/08/22 19:08	09/23/22 11:13	1
Y Carrier	80.4		40 - 110					09/08/22 19:08	09/23/22 11:13	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	0.944		0.334	0.345	5.00	0.530	pCi/L		10/03/22 12:30	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Client Sample ID: MW-02
Date Collected: 09/01/22 17:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581325	BMP	EET SL	09/08/22 18:47
Total/NA	Analysis	9315		1	584224	FLC	EET SL	09/30/22 14:05
Total/NA	Prep	PrecSep_0			581384	BMP	EET SL	09/08/22 19:08
Total/NA	Analysis	9320		1	583225	FLC	EET SL	09/23/22 11:13
Total/NA	Analysis	Ra226_Ra228		1	584443	CAH	EET SL	10/03/22 12:30

Client Sample ID: MW-03
Date Collected: 09/01/22 16:41
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581325	BMP	EET SL	09/08/22 18:47
Total/NA	Analysis	9315		1	584224	FLC	EET SL	09/30/22 14:06
Total/NA	Prep	PrecSep_0			581384	BMP	EET SL	09/08/22 19:08
Total/NA	Analysis	9320		1	583225	FLC	EET SL	09/23/22 11:13
Total/NA	Analysis	Ra226_Ra228		1	584443	CAH	EET SL	10/03/22 12:30

Client Sample ID: MW-12
Date Collected: 09/01/22 17:20
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581325	BMP	EET SL	09/08/22 18:47
Total/NA	Analysis	9315		1	584224	FLC	EET SL	09/30/22 14:06
Total/NA	Prep	PrecSep_0			581384	BMP	EET SL	09/08/22 19:08
Total/NA	Analysis	9320		1	583225	FLC	EET SL	09/23/22 11:13
Total/NA	Analysis	Ra226_Ra228		1	584443	CAH	EET SL	10/03/22 12:30

Client Sample ID: DUP-01
Date Collected: 09/01/22 16:35
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225435-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581325	BMP	EET SL	09/08/22 18:47
Total/NA	Analysis	9315		1	584224	FLC	EET SL	09/30/22 14:06
Total/NA	Prep	PrecSep_0			581384	BMP	EET SL	09/08/22 19:08
Total/NA	Analysis	9320		1	583225	FLC	EET SL	09/23/22 11:13
Total/NA	Analysis	Ra226_Ra228		1	584443	CAH	EET SL	10/03/22 12:30

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 Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Rad

Prep Batch: 581325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	PrecSep-21	
400-225435-2	MW-03	Total/NA	Water	PrecSep-21	
400-225435-3	MW-12	Total/NA	Water	PrecSep-21	
400-225435-4	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-581325/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-581325/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-581325/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 581384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225435-1	MW-02	Total/NA	Water	PrecSep_0	
400-225435-2	MW-03	Total/NA	Water	PrecSep_0	
400-225435-3	MW-12	Total/NA	Water	PrecSep_0	
400-225435-4	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-581384/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-581384/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-581384/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-581325/1-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581325

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.02325	U	0.0525	0.0525	1.00	0.0978	pCi/L	09/08/22 18:47	09/30/22 11:11	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	92.3		40 - 110				09/08/22 18:47		09/30/22 11:11	1

Lab Sample ID: LCS 160-581325/2-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581325

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.23		1.08	1.00	0.109	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	94.3		40 - 110						

Lab Sample ID: LCSD 160-581325/3-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581325

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-226	11.3	10.51		1.11	1.00	0.108	pCi/L	93	75 - 125	0.13	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	95.6		40 - 110								

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-581384/1-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581384

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1785	U	0.329	0.330	1.00	0.566	pCi/L	09/08/22 19:08	09/23/22 11:06	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	92.3		40 - 110				09/08/22 19:08		09/23/22 11:06	1
Y Carrier	80.7		40 - 110				09/08/22 19:08		09/23/22 11:06	1

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225435-2
SDG: Upgradient

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

Lab Sample ID: LCS 160-581384/2-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581384

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.25	9.648		1.29	1.00	0.505	pCi/L	117	75 - 125	
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	94.3		40 - 110							
Y Carrier	81.1		40 - 110							

Lab Sample ID: LCSD 160-581384/3-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581384

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
Radium-228	8.25	9.599		1.29	1.00	0.513	pCi/L	116	75 - 125	0.02	1	
LCSD LCSD												
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	95.6		40 - 110									
Y Carrier	80.7		40 - 110									

Chain of Custody Record

Client Information		Sampler: <i>Mike Henderson / Brent Beck</i>		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s): 400-113780-23565.1	
Client Contact: Barry Evans		Phone: <i>850-336-0192</i>		E-Mail: Cheyenne.Whitmire@et.eurofins.com		Page: Page 1 of 2	
Company: Florida Power and Light		PWSID:		State of Origin:		Job #:	
Address: BIN 731 One Energy Place		Due Date Requested:		Analysis Requested		Preservation Codes:	
City: Pensacola		TAT Requested (days):		Field Sampling - Field Sampling Parameters		A - HCL N - None M - Hexane B - NaOH O - AsNaO2 C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
State, Zip: FL, 32520		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		5M4500_Cl_E - Chloride			
Phone: 850-444-6427 (Tel)		PO #: 2000403482		54500_F_C - Fluoride			
Email: Barry.Evans@nexteraenergy.com		WO #: 3000004117		6020_7470A			
Project Name: CCR Smith Plant		Project #: 40006609		9315_Ra226_9320_Ra228_Ra226Ra228_GPFC			
Event Desc: CCR Smith Plant		SSOW#:		Perform MS/MSD (Yes or No)		Total Number of Containers	
Site: Florida				Field Filtered Sample (Yes or No)			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (w=water, s=solid, o=wastewater, bt=tissue, a=air)	Preservation Code:	Analysis Requested	Special Instructions/Note:
MW-02	9-1-22	1735	G	Water	N	X	3
MW-03	9-1-22	1641	G	Water	N	X	3
MW-12	9-1-22	1720	G	Water	N	X	3
DUP-01	9-1-22	1635	G	Water	N	X	3
				Water			
				400-225435 COC			
<p>Possible Hazard Identification</p> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)							
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
<p>Special Instructions/QC Requirements:</p> Method of Shipment: _____ Time: _____							
Relinquished by: <i>Mike Henderson</i>		Date: 9-3-22 0915		Company: <i>RDH ENV</i>		Relinquished by: <i>Perceen Hagedorfer</i>	
Relinquished by: <i>Perceen Hagedorfer</i>		Date/Time: 9-3-22 10:30		Company: <i>RDH ENV</i>		Relinquished by: <i>Perceen Hagedorfer</i>	
Relinquished by: _____		Date/Time: _____		Company: _____		Relinquished by: _____	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>4.4°C 0.9°C IR8</i>		Ver: 01/16/2019	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225435-2

SDG Number: Upgradient

Login Number: 225435

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	4.4°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: 400-225435-2

SDG Number: Upgradient

Login Number: 225435

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/07/22 10:29 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	False	Seal on cooler 2 was broken but samples dont seem to be tampered with.
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225435-2
 SDG: Upgradient

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-22 *
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-23
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22 *
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-23
Washington	State	C592	08-30-23
West Virginia DEP	State	381	10-31-22

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

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-225433-1
Laboratory Sample Delivery Group: Downgradient
Client Project/Site: CCR Smith Plant
Revision: 1

For:
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
11/10/2022 8:26:39 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the {0} Project Manager.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	5
Method Summary	10
Sample Summary	11
Client Sample Results	12
Definitions	26
Chronicle	27
QC Association	33
QC Sample Results	39
Chain of Custody	53
Receipt Checklists	56
Certification Summary	57

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Job ID: 400-225433-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-225433-1

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 9/3/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0° C, 0.0° C, 2.7° C and 4.4° C.

HPLC/IC

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-06 (400-225433-1), MW-0 (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14 (400-225433-7) and DUP-02 (400-225433-8). Elevated reporting limits (RLs) are provided.

Method 300.0: The continuing calibration verification (CCV) associated with batch 400-591772 recovered above the upper control limit for Fluoride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 300.0: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 400-591772 recovered outside control limits for the following analytes: Fluoride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Metals

Method 6020: The ICV for batch 400-592624 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 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-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), EB-01 (400-225433-10), FB-02 (400-225433-11), EB-02 (400-225433-12), MW-09R (400-225433-13) and DUP-03 (400-225433-14). 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-06 (400-225433-1). Elevated reporting limits (RLs) are provided.

Method 6020: The initial calibration verification (ICV) result for batch 400-592756 was outside of the control limit. Sample results have been reported as qualified data.

Method 6020: The initial calibration verification (ICV) result for batch 400-599960 was above the upper control limit for Arsenic, Antimony, Beryllium, Cadmium, Cobalt, Molybdenum and Selenium. Sample results were non-detects, and have been reported as qualified data.

General Chemistry

Method SM 2540C: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: DUP-03 (400-225433-14) and (400-225433-B-14 DU). Reanalysis could not be performed due to holding time exceedance, or due to the matrix, 5ml was used for the method. The sample aliquot was over the method accepted range. Using a smaller amount will prevent the ability to obtain a representative aliquot for the method. As such, 5ml is being reported or annotated. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample.

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Job ID: 400-225433-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

analysis volume in order to produce the best data precision. As such, these data have been qualified.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), MW-09R (400-225433-13) and DUP-03 (400-225433-14). 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-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), MW-09R (400-225433-13) and DUP-03 (400-225433-14). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-592115 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: Report revised to report the 5X dilutions.



Detection Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-06

Lab Sample ID: 400-225433-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.065		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Beryllium	0.00098	I	0.0025	0.00092	mg/L	5		6020	Total Recoverable
Boron	7.6		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	230		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0019	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.017		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5200		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2300		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	390		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	5.20				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-08R

Lab Sample ID: 400-225433-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0020		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.054		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	19		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	460		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.13		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.00070	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lithium	0.0054		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Molybdenum	0.0052	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.0012	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5700		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2400		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	910		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	6.12				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-10R

Lab Sample ID: 400-225433-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.091		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	9.5		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	620		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0022	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0064		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5800		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-10R (Continued)

Lab Sample ID: 400-225433-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2200		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	900		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	6.49				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 400-225433-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0051		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.053		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	15		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	390		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.45		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.0035		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lithium	0.0080		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Molybdenum	0.0093	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	6000		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	3000		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	600		100	28	mg/L	20		SM 4500 SO4 E	Total/NA
Field pH	5.97				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-07

Lab Sample ID: 400-225433-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.12		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	3.0		0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	360		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0040		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Molybdenum	0.0034	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	6100		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2600		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	580		100	28	mg/L	20		SM 4500 SO4 E	Total/NA
Field pH	6.37				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-11R

Lab Sample ID: 400-225433-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.43	I	1.0	0.14	mg/L	1		300.0	Total/NA
Arsenic	0.0029		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.40		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	3.3		0.50	0.012	mg/L	50		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-11R (Continued)

Lab Sample ID: 400-225433-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	160		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0063		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.018		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Molybdenum	0.0036	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.00089	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	4600		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2400		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	350		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	6.41				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-14R

Lab Sample ID: 400-225433-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.33	I	1.0	0.14	mg/L	1		300.0	Total/NA
Barium	0.016		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	2.6		0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	54		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0024	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.18		0.050	0.049	mg/L	50		6020	Total Recoverable
Molybdenum	0.0094	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	660		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	130		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	140		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-225433-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.13		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	3.0		0.50	0.012	mg/L	50		6020	Total Recoverable
Calcium	350		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.015		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Molybdenum	0.0036	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.0013		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5600		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	2600		100	70	mg/L	50		SM 4500 Cl- E	Total/NA
Sulfate	570		100	28	mg/L	20		SM 4500 SO4 E	Total/NA
Field pH	6.37				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: FB-01

Lab Sample ID: 400-225433-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.013	I	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	0.34		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0017	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Selenium	0.0012	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable

Client Sample ID: EB-01

Lab Sample ID: 400-225433-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.024	I	0.050	0.020	mg/L	100		6020	Total Recoverable

Client Sample ID: FB-02

Lab Sample ID: 400-225433-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.029	I	0.050	0.020	mg/L	100		6020	Total Recoverable
Chloride	20		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: EB-02

Lab Sample ID: 400-225433-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.013	I	0.025	0.010	mg/L	50		6020	Total Recoverable
Selenium	0.0010	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable

Client Sample ID: MW-09R

Lab Sample ID: 400-225433-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0049		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.085		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	10		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	240		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0015	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0060		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Molybdenum	0.0029	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.0022		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	4200		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	1700		40	28	mg/L	20		SM 4500 Cl- E	Total/NA
Sulfate	620		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	6.96				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225433-1
 SDG: Downgradient

Client Sample ID: DUP-03

Lab Sample ID: 400-225433-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0049		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.085		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	9.6		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	240		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0016	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0073		0.0050	0.0049	mg/L	5		6020	Total Recoverable
Molybdenum	0.0030	I	0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	43000	L	50	50	mg/L	1		SM 2540C	Total/NA
Chloride	1700		40	28	mg/L	20		SM 4500 Cl- E	Total/NA
Sulfate	600		130	35	mg/L	25		SM 4500 SO4 E	Total/NA
Field pH	6.96				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 Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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 Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225433-1	MW-06	Water	09/02/22 08:44	09/03/22 10:30
400-225433-2	MW-08R	Water	09/02/22 14:58	09/03/22 10:30
400-225433-3	MW-10R	Water	09/02/22 15:40	09/03/22 10:30
400-225433-4	MW-13R	Water	09/02/22 12:26	09/03/22 10:30
400-225433-5	MW-07	Water	09/02/22 10:45	09/03/22 10:30
400-225433-6	MW-11R	Water	09/02/22 12:45	09/03/22 10:30
400-225433-7	MW-14R	Water	09/02/22 11:27	09/03/22 10:30
400-225433-8	DUP-02	Water	09/02/22 09:45	09/03/22 10:30
400-225433-9	FB-01	Water	09/02/22 08:12	09/03/22 10:30
400-225433-10	EB-01	Water	09/02/22 09:11	09/03/22 10:30
400-225433-11	FB-02	Water	09/02/22 14:26	09/03/22 10:30
400-225433-12	EB-02	Water	09/02/22 13:56	09/03/22 10:30
400-225433-13	MW-09R	Water	09/06/22 10:59	09/07/22 10:23
400-225433-14	DUP-03	Water	09/06/22 09:59	09/07/22 10:23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-06
Date Collected: 09/02/22 08:44
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-1
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			09/07/22 11:52	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		09/08/22 11:41	09/15/22 14:13	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:13	5
Barium	0.065		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:13	5
Beryllium	0.00098	I	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:13	5
Boron	7.6		1.0	0.024	mg/L		09/08/22 11:41	09/15/22 21:17	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:13	5
Calcium	230		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:13	5
Chromium	0.0019	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:13	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:13	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:13	5
Lithium	0.017		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:13	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:13	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:13	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:13	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		09/19/22 08:00	09/21/22 11:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5200		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	2300		100	70	mg/L			09/10/22 23:25	50
Sulfate (SM 4500 SO4 E)	390		50	14	mg/L			09/11/22 19:58	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.20				SU			09/02/22 08:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-08R

Lab Sample ID: 400-225433-2

Date Collected: 09/02/22 14:58

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 13:16	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		09/08/22 11:41	09/15/22 14:28	5
Arsenic	0.0020		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:28	5
Barium	0.054		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:28	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:28	5
Boron	19		2.5	0.059	mg/L		09/08/22 11:41	09/15/22 21:20	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:28	5
Calcium	460		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:28	5
Chromium	0.13		0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:28	5
Cobalt	0.00070	I	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:28	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:28	5
Lithium	0.0054		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:28	5
Molybdenum	0.0052	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:28	5
Selenium	0.0012	I	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:28	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:28	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		09/19/22 08:00	09/21/22 11:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5700		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	2400		100	70	mg/L			09/10/22 23:26	50
Sulfate (SM 4500 SO4 E)	910		130	35	mg/L			09/11/22 20:14	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.12				SU			09/02/22 14:58	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-10R

Lab Sample ID: 400-225433-3

Date Collected: 09/02/22 15:40

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 13:37	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		09/08/22 11:41	09/15/22 14:31	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:31	5
Barium	0.091		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:31	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:31	5
Boron	9.5		1.0	0.024	mg/L		09/08/22 11:41	09/15/22 21:42	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:31	5
Calcium	620		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:31	5
Chromium	0.0022	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:31	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:31	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:31	5
Lithium	0.0064		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:31	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:31	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:31	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:31	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		09/19/22 08:00	09/21/22 11:58	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5800		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	2200		100	70	mg/L			09/10/22 23:27	50
Sulfate (SM 4500 SO4 E)	900		130	35	mg/L			09/11/22 20:15	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.49				SU			09/02/22 15:40	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-13R

Lab Sample ID: 400-225433-4

Date Collected: 09/02/22 12:26

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 13:57	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		09/08/22 11:41	09/15/22 14:34	5
Arsenic	0.0051		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:34	5
Barium	0.053		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:34	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:34	5
Boron	15		2.5	0.059	mg/L		09/08/22 11:41	09/15/22 21:45	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:34	5
Calcium	390		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:34	5
Chromium	0.45		0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:34	5
Cobalt	0.0035		0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:34	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:34	5
Lithium	0.0080		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:34	5
Molybdenum	0.0093	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:34	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:34	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:34	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		09/19/22 08:00	09/21/22 12:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6000		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	3000		100	70	mg/L			09/10/22 23:27	50
Sulfate (SM 4500 SO4 E)	600		100	28	mg/L			09/11/22 19:59	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.97				SU			09/02/22 12:26	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-07

Lab Sample ID: 400-225433-5

Date Collected: 09/02/22 10:45

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 15:00	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		09/08/22 11:41	09/15/22 14:56	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:56	5
Barium	0.12		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:56	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:56	5
Boron	3.0		0.50	0.012	mg/L		09/08/22 11:41	09/15/22 21:48	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:56	5
Calcium	360		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:56	5
Chromium	0.0040		0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:56	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:56	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:56	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:56	5
Molybdenum	0.0034	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:56	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:56	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:56	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		09/19/22 08:00	09/21/22 12:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6100		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	2600		100	70	mg/L			09/10/22 23:28	50
Sulfate (SM 4500 SO4 E)	580		100	28	mg/L			09/11/22 20:01	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.37				SU			09/02/22 10:45	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-11R

Lab Sample ID: 400-225433-6

Date Collected: 09/02/22 12:45

Matrix: Water

Date Received: 09/03/22 10:30

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.43	I	1.0	0.14	mg/L			09/07/22 15:21	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		09/08/22 11:41	09/15/22 14:59	5
Arsenic	0.0029		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:59	5
Barium	0.40		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:59	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:59	5
Boron	3.3		0.50	0.012	mg/L		09/08/22 11:41	09/15/22 21:51	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:59	5
Calcium	160		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:59	5
Chromium	0.0063		0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:59	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:59	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:59	5
Lithium	0.018		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 14:59	5
Molybdenum	0.0036	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:59	5
Selenium	0.00089	I	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:59	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:59	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		09/19/22 08:00	09/21/22 12:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4600		50	50	mg/L			09/06/22 13:47	1
Chloride (SM 4500 Cl- E)	2400		100	70	mg/L			09/10/22 23:28	50
Sulfate (SM 4500 SO4 E)	350		50	14	mg/L			09/11/22 20:01	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.41				SU			09/02/22 12:45	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-14R

Lab Sample ID: 400-225433-7

Date Collected: 09/02/22 11:27

Matrix: Water

Date Received: 09/03/22 10:30

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.33	I	1.0	0.14	mg/L			09/07/22 15:42	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		09/08/22 11:41	09/15/22 15:02	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:02	5
Barium	0.016		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:02	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:02	5
Boron	2.6		0.50	0.012	mg/L		09/08/22 11:41	09/15/22 21:54	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:02	5
Calcium	54		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:02	5
Chromium	0.0024	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:02	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:02	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:02	5
Lithium	0.18		0.050	0.049	mg/L		09/08/22 11:41	09/17/22 00:03	50
Molybdenum	0.0094	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:02	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:02	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:02	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		09/19/22 08:00	09/21/22 12:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		5.0	5.0	mg/L			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	130		20	14	mg/L			09/10/22 23:29	10
Sulfate (SM 4500 SO4 E)	140		25	7.0	mg/L			09/11/22 20:02	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.50				SU			09/02/22 11:27	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: DUP-02

Lab Sample ID: 400-225433-8

Date Collected: 09/02/22 09:45

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 16:02	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		09/08/22 11:41	09/15/22 15:05	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:05	5
Barium	0.13		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:05	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:05	5
Boron	3.0		0.50	0.012	mg/L		09/08/22 11:41	09/15/22 21:57	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:05	5
Calcium	350		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:05	5
Chromium	0.015		0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:05	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:05	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:05	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 15:05	5
Molybdenum	0.0036	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:05	5
Selenium	0.0013		0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:05	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:05	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		09/19/22 08:00	09/21/22 12:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5600		50	50	mg/L			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	2600		100	70	mg/L			09/10/22 23:29	50
Sulfate (SM 4500 SO4 E)	570		100	28	mg/L			09/11/22 20:02	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.37				SU			09/02/22 09:45	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: FB-01
Date Collected: 09/02/22 08:12
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-9
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			09/06/22 21:42	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		09/08/22 11:41	09/15/22 15:08	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:08	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:08	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:08	5
Boron	0.013	I	0.050	0.0012	mg/L		09/08/22 11:41	09/26/22 18:00	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:08	5
Calcium	0.34		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:08	5
Chromium	0.0017	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:08	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:08	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:08	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/23/22 17:25	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:08	5
Selenium	0.0012	I	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:08	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:08	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		09/19/22 08:00	09/21/22 12:32	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			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/10/22 23:29	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/11/22 20:03	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: EB-01
Date Collected: 09/02/22 09:11
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-10
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			09/06/22 22:03	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		09/07/22 15:11	11/09/22 10:49	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	11/09/22 10:49	5
Barium	0.014	U	0.050	0.014	mg/L		09/07/22 15:11	09/15/22 17:10	100
Beryllium	0.018	U	0.050	0.018	mg/L		09/07/22 15:11	09/15/22 17:10	100
Boron	0.024	U	1.0	0.024	mg/L		09/07/22 15:11	09/17/22 02:40	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	11/09/22 10:49	5
Calcium	2.5	U	5.0	2.5	mg/L		09/07/22 15:11	09/17/22 02:40	100
Chromium	0.024	I	0.050	0.020	mg/L		09/07/22 15:11	09/15/22 17:10	100
Cobalt	0.011	U	0.050	0.011	mg/L		09/07/22 15:11	09/15/22 17:10	100
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	11/09/22 10:49	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	11/09/22 10:49	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	11/09/22 10:49	5
Selenium	0.016	U	0.025	0.016	mg/L		09/07/22 15:11	09/15/22 17:10	100
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	11/09/22 10:49	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		09/19/22 08:00	09/21/22 12:33	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			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/10/22 23:30	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/11/22 20:03	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: FB-02
Date Collected: 09/02/22 14:26
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-11
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			09/06/22 22:24	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		09/07/22 15:11	11/09/22 10:52	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	11/09/22 10:52	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	11/09/22 10:52	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	11/09/22 10:52	5
Boron	0.024	U	1.0	0.024	mg/L		09/07/22 15:11	09/17/22 02:43	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	11/09/22 10:52	5
Calcium	2.5	U	5.0	2.5	mg/L		09/07/22 15:11	09/17/22 02:43	100
Chromium	0.029	I	0.050	0.020	mg/L		09/07/22 15:11	09/15/22 17:13	100
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	11/09/22 10:52	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	11/09/22 10:52	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	11/09/22 10:52	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	11/09/22 10:52	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	11/09/22 10:52	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	11/09/22 10:52	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		09/19/22 08:00	09/21/22 12:35	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			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	20		2.0	1.4	mg/L			09/10/22 23:30	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/11/22 20:04	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: EB-02
Date Collected: 09/02/22 13:56
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-12
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			09/06/22 23:06	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		09/07/22 15:11	11/09/22 10:55	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	11/09/22 10:55	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	11/09/22 10:55	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	11/09/22 10:55	5
Boron	0.012	U	0.50	0.012	mg/L		09/07/22 15:11	09/17/22 02:46	50
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	11/09/22 10:55	5
Calcium	1.3	U	2.5	1.3	mg/L		09/07/22 15:11	09/17/22 02:46	50
Chromium	0.013	I	0.025	0.010	mg/L		09/07/22 15:11	09/15/22 17:35	50
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	11/09/22 10:55	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	11/09/22 10:55	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	11/09/22 10:55	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	11/09/22 10:55	5
Selenium	0.0010	I	0.0013	0.00082	mg/L		09/07/22 15:11	11/09/22 10:55	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	11/09/22 10:55	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		09/19/22 08:00	09/21/22 12:37	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			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	1.4	U	2.0	1.4	mg/L			09/11/22 23:05	1
Sulfate (SM 4500 SO4 E)	1.4	U	5.0	1.4	mg/L			09/11/22 20:04	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-09R

Lab Sample ID: 400-225433-13

Date Collected: 09/06/22 10:59

Matrix: Water

Date Received: 09/07/22 10:23

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U J3	1.0	0.14	mg/L			09/08/22 13:17	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		09/08/22 11:41	09/15/22 15:12	5
Arsenic	0.0049		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:12	5
Barium	0.085		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:12	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:12	5
Boron	10		2.5	0.059	mg/L		09/08/22 11:41	09/15/22 22:00	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:12	5
Calcium	240		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:12	5
Chromium	0.0015	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:12	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:12	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:12	5
Lithium	0.0060		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 15:12	5
Molybdenum	0.0029	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:12	5
Selenium	0.0022		0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:12	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:12	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		09/19/22 08:00	09/21/22 13:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4200		50	50	mg/L			09/12/22 14:47	1
Chloride (SM 4500 Cl- E)	1700		40	28	mg/L			09/11/22 23:55	20
Sulfate (SM 4500 SO4 E)	620		130	35	mg/L			09/11/22 23:55	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.96				SU			09/06/22 10:59	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: DUP-03

Lab Sample ID: 400-225433-14

Date Collected: 09/06/22 09:59

Matrix: Water

Date Received: 09/07/22 10:23

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	U J3	1.0	0.14	mg/L			09/08/22 13:38	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		09/08/22 11:41	09/15/22 15:15	5
Arsenic	0.0049		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:15	5
Barium	0.085		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:15	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:15	5
Boron	9.6		2.5	0.059	mg/L		09/08/22 11:41	09/15/22 22:03	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:15	5
Calcium	240		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:15	5
Chromium	0.0016	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:15	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:15	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:15	5
Lithium	0.0073		0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 15:15	5
Molybdenum	0.0030	I	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:15	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:15	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:15	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		09/19/22 08:00	09/21/22 13:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	43000	L	50	50	mg/L			09/12/22 14:47	1
Chloride (SM 4500 Cl- E)	1700		40	28	mg/L			09/11/22 23:55	20
Sulfate (SM 4500 SO4 E)	600		130	35	mg/L			09/11/22 23:55	25

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.96				SU			09/06/22 09:59	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Qualifiers

HPLC/IC

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.

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.
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.

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 Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-06
Date Collected: 09/02/22 08:44
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 11:52
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:13
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		100	592756	NTH	EET PEN	09/15/22 21:17
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 11:48
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 CI- E		50	592088	DN1	EET PEN	09/10/22 23:25
Total/NA	Analysis	SM 4500 SO4 E		10	592115	DN1	EET PEN	09/11/22 19:58
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 08:44

Client Sample ID: MW-08R
Date Collected: 09/02/22 14:58
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 13:16
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:28
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		250	592756	NTH	EET PEN	09/15/22 21:20
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 11:50
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 CI- E		50	592088	DN1	EET PEN	09/10/22 23:26
Total/NA	Analysis	SM 4500 SO4 E		25	592115	DN1	EET PEN	09/11/22 20:14
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 14:58

Client Sample ID: MW-10R
Date Collected: 09/02/22 15:40
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 13:37
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:31
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		100	592756	NTH	EET PEN	09/15/22 21:42
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 11:58
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 CI- E		50	592088	DN1	EET PEN	09/10/22 23:27

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-10R

Lab Sample ID: 400-225433-3

Date Collected: 09/02/22 15:40

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		25	592115	DN1	EET PEN	09/11/22 20:15
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 15:40

Client Sample ID: MW-13R

Lab Sample ID: 400-225433-4

Date Collected: 09/02/22 12:26

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 13:57
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:34
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		250	592756	NTH	EET PEN	09/15/22 21:45
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:01
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 CI- E		50	592088	DN1	EET PEN	09/10/22 23:27
Total/NA	Analysis	SM 4500 SO4 E		20	592115	DN1	EET PEN	09/11/22 19:59
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 12:26

Client Sample ID: MW-07

Lab Sample ID: 400-225433-5

Date Collected: 09/02/22 10:45

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 15:00
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:56
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		50	592756	NTH	EET PEN	09/15/22 21:48
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:03
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 CI- E		50	592088	DN1	EET PEN	09/10/22 23:28
Total/NA	Analysis	SM 4500 SO4 E		20	592115	DN1	EET PEN	09/11/22 20:01
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 10:45

Client Sample ID: MW-11R

Lab Sample ID: 400-225433-6

Date Collected: 09/02/22 12:45

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 15:21

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-11R
Date Collected: 09/02/22 12:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 14:59
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		50	592756	NTH	EET PEN	09/15/22 21:51
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:26
Total/NA	Analysis	SM 2540C		1	591489	VB	EET PEN	09/06/22 13:47
Total/NA	Analysis	SM 4500 Cl- E		50	592088	DN1	EET PEN	09/10/22 23:28
Total/NA	Analysis	SM 4500 SO4 E		10	592115	DN1	EET PEN	09/11/22 20:01
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 12:45

Client Sample ID: MW-14R
Date Collected: 09/02/22 11:27
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 15:42
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:02
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		50	592756	NTH	EET PEN	09/15/22 21:54
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		50	592944	NTH	EET PEN	09/17/22 00:03
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:28
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 Cl- E		10	592088	DN1	EET PEN	09/10/22 23:29
Total/NA	Analysis	SM 4500 SO4 E		5	592115	DN1	EET PEN	09/11/22 20:02
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 11:27

Client Sample ID: DUP-02
Date Collected: 09/02/22 09:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 16:02
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:05
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		50	592756	NTH	EET PEN	09/15/22 21:57
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:30
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 Cl- E		50	592088	DN1	EET PEN	09/10/22 23:29

Eurofins Pensacola

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: DUP-02
Date Collected: 09/02/22 09:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		20	592115	DN1	EET PEN	09/11/22 20:02
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 09:45

Client Sample ID: FB-01
Date Collected: 09/02/22 08:12
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/06/22 21:42
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:08
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	593804	NTH	EET PEN	09/23/22 17:25
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	593995	NTH	EET PEN	09/26/22 18:00
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:32
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 Cl- E		1	592088	DN1	EET PEN	09/10/22 23:29
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 20:03

Client Sample ID: EB-01
Date Collected: 09/02/22 09:11
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/06/22 22:03
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		100	592756	NTH	EET PEN	09/15/22 17:10
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		100	592944	NTH	EET PEN	09/17/22 02:40
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	599960	NTH	EET PEN	11/09/22 10:49
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:33
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 Cl- E		1	592088	DN1	EET PEN	09/10/22 23:30
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 20:03

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: FB-02
Date Collected: 09/02/22 14:26
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/06/22 22:24
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		100	592756	NTH	EET PEN	09/15/22 17:13
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		100	592944	NTH	EET PEN	09/17/22 02:43
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	599960	NTH	EET PEN	11/09/22 10:52
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:35
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 CI- E		1	592088	DN1	EET PEN	09/10/22 23:30
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 20:04

Client Sample ID: EB-02
Date Collected: 09/02/22 13:56
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591544	JAS	EET PEN	09/06/22 23:06
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		50	592756	NTH	EET PEN	09/15/22 17:35
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		50	592944	NTH	EET PEN	09/17/22 02:46
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	599960	NTH	EET PEN	11/09/22 10:55
Total/NA	Prep	7470A			592937	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 12:37
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 CI- E		1	592118	DN1	EET PEN	09/11/22 23:05
Total/NA	Analysis	SM 4500 SO4 E		1	592115	DN1	EET PEN	09/11/22 20:04

Client Sample ID: MW-09R
Date Collected: 09/06/22 10:59
Date Received: 09/07/22 10:23

Lab Sample ID: 400-225433-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591772	JAS	EET PEN	09/08/22 13:17
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:12
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		250	592756	NTH	EET PEN	09/15/22 22:00
Total/NA	Prep	7470A			592939	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 13:43
Total/NA	Analysis	SM 2540C		1	592212	VB	EET PEN	09/12/22 14:47

Eurofins Pensacola

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Client Sample ID: MW-09R

Lab Sample ID: 400-225433-13

Date Collected: 09/06/22 10:59

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 Cl- E		20	592118	DN1	EET PEN	09/11/22 23:55
Total/NA	Analysis	SM 4500 SO4 E		25	592119	DN1	EET PEN	09/11/22 23:55
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/06/22 10:59

Client Sample ID: DUP-03

Lab Sample ID: 400-225433-14

Date Collected: 09/06/22 09:59

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591772	JAS	EET PEN	09/08/22 13:38
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:15
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		250	592756	NTH	EET PEN	09/15/22 22:03
Total/NA	Prep	7470A			592939	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 13:56
Total/NA	Analysis	SM 2540C		1	592212	VB	EET PEN	09/12/22 14:47
Total/NA	Analysis	SM 4500 Cl- E		20	592118	DN1	EET PEN	09/11/22 23:55
Total/NA	Analysis	SM 4500 SO4 E		25	592119	DN1	EET PEN	09/11/22 23:55
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/06/22 09:59

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

HPLC/IC

Analysis Batch: 591544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-9	FB-01	Total/NA	Water	300.0	
400-225433-10	EB-01	Total/NA	Water	300.0	
400-225433-11	FB-02	Total/NA	Water	300.0	
400-225433-12	EB-02	Total/NA	Water	300.0	
MB 400-591544/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591544/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591544/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225433-1 MS	MW-06	Total/NA	Water	300.0	
400-225433-1 MSD	MW-06	Total/NA	Water	300.0	

Analysis Batch: 591603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	300.0	
400-225433-2	MW-08R	Total/NA	Water	300.0	
400-225433-3	MW-10R	Total/NA	Water	300.0	
400-225433-4	MW-13R	Total/NA	Water	300.0	
400-225433-5	MW-07	Total/NA	Water	300.0	
400-225433-6	MW-11R	Total/NA	Water	300.0	
400-225433-7	MW-14R	Total/NA	Water	300.0	
400-225433-8	DUP-02	Total/NA	Water	300.0	
MB 400-591603/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591603/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591603/24	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225433-1 MS	MW-06	Total/NA	Water	300.0	
400-225433-1 MSD	MW-06	Total/NA	Water	300.0	

Analysis Batch: 591772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	300.0	
400-225433-14	DUP-03	Total/NA	Water	300.0	
MB 400-591772/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591772/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591772/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225574-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225574-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 591676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-10	EB-01	Total Recoverable	Water	3005A	
400-225433-11	FB-02	Total Recoverable	Water	3005A	
400-225433-12	EB-02	Total Recoverable	Water	3005A	
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225434-C-1-B MS ^100	Matrix Spike	Total Recoverable	Water	3005A	
400-225434-C-1-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225434-C-1-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
400-225434-C-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Metals

Prep Batch: 591783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total Recoverable	Water	3005A	
400-225433-2	MW-08R	Total Recoverable	Water	3005A	
400-225433-3	MW-10R	Total Recoverable	Water	3005A	
400-225433-4	MW-13R	Total Recoverable	Water	3005A	
400-225433-5	MW-07	Total Recoverable	Water	3005A	
400-225433-6	MW-11R	Total Recoverable	Water	3005A	
400-225433-7	MW-14R	Total Recoverable	Water	3005A	
400-225433-8	DUP-02	Total Recoverable	Water	3005A	
400-225433-9	FB-01	Total Recoverable	Water	3005A	
400-225433-13	MW-09R	Total Recoverable	Water	3005A	
400-225433-14	DUP-03	Total Recoverable	Water	3005A	
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225433-1 MS	MW-06	Total Recoverable	Water	3005A	
400-225433-1 MSD	MW-06	Total Recoverable	Water	3005A	

Analysis Batch: 592429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
400-225434-C-1-B MS ^5	Matrix Spike	Total Recoverable	Water	6020	591676
400-225434-C-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	591676

Analysis Batch: 592624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
400-225434-C-1-B MS ^100	Matrix Spike	Total Recoverable	Water	6020	591676
400-225434-C-1-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	6020	591676

Analysis Batch: 592756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total Recoverable	Water	6020	591783
400-225433-1	MW-06	Total Recoverable	Water	6020	591783
400-225433-2	MW-08R	Total Recoverable	Water	6020	591783
400-225433-2	MW-08R	Total Recoverable	Water	6020	591783
400-225433-3	MW-10R	Total Recoverable	Water	6020	591783
400-225433-3	MW-10R	Total Recoverable	Water	6020	591783
400-225433-4	MW-13R	Total Recoverable	Water	6020	591783
400-225433-4	MW-13R	Total Recoverable	Water	6020	591783
400-225433-5	MW-07	Total Recoverable	Water	6020	591783
400-225433-5	MW-07	Total Recoverable	Water	6020	591783
400-225433-6	MW-11R	Total Recoverable	Water	6020	591783
400-225433-6	MW-11R	Total Recoverable	Water	6020	591783
400-225433-7	MW-14R	Total Recoverable	Water	6020	591783
400-225433-7	MW-14R	Total Recoverable	Water	6020	591783
400-225433-8	DUP-02	Total Recoverable	Water	6020	591783
400-225433-8	DUP-02	Total Recoverable	Water	6020	591783
400-225433-9	FB-01	Total Recoverable	Water	6020	591783
400-225433-10	EB-01	Total Recoverable	Water	6020	591676
400-225433-11	FB-02	Total Recoverable	Water	6020	591676

Eurofins Pensacola

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Metals (Continued)

Analysis Batch: 592756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-12	EB-02	Total Recoverable	Water	6020	591676
400-225433-13	MW-09R	Total Recoverable	Water	6020	591783
400-225433-13	MW-09R	Total Recoverable	Water	6020	591783
400-225433-14	DUP-03	Total Recoverable	Water	6020	591783
400-225433-14	DUP-03	Total Recoverable	Water	6020	591783
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	6020	591783
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591783
400-225433-1 MS	MW-06	Total Recoverable	Water	6020	591783
400-225433-1 MSD	MW-06	Total Recoverable	Water	6020	591783

Prep Batch: 592937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	7470A	
400-225433-2	MW-08R	Total/NA	Water	7470A	
400-225433-3	MW-10R	Total/NA	Water	7470A	
400-225433-4	MW-13R	Total/NA	Water	7470A	
400-225433-5	MW-07	Total/NA	Water	7470A	
400-225433-6	MW-11R	Total/NA	Water	7470A	
400-225433-7	MW-14R	Total/NA	Water	7470A	
400-225433-8	DUP-02	Total/NA	Water	7470A	
400-225433-9	FB-01	Total/NA	Water	7470A	
400-225433-10	EB-01	Total/NA	Water	7470A	
400-225433-11	FB-02	Total/NA	Water	7470A	
400-225433-12	EB-02	Total/NA	Water	7470A	
MB 400-592937/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-592937/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225433-2 MS	MW-08R	Total/NA	Water	7470A	
400-225433-2 MSD	MW-08R	Total/NA	Water	7470A	

Prep Batch: 592939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	7470A	
400-225433-14	DUP-03	Total/NA	Water	7470A	
MB 400-592939/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-592939/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225342-A-11-E MS	Matrix Spike	Total/NA	Water	7470A	
400-225342-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 592944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-7	MW-14R	Total Recoverable	Water	6020	591783
400-225433-10	EB-01	Total Recoverable	Water	6020	591676
400-225433-11	FB-02	Total Recoverable	Water	6020	591676
400-225433-12	EB-02	Total Recoverable	Water	6020	591676
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	6020	591783
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591783

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Metals

Analysis Batch: 593446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	7470A	592937
400-225433-2	MW-08R	Total/NA	Water	7470A	592937
400-225433-3	MW-10R	Total/NA	Water	7470A	592937
400-225433-4	MW-13R	Total/NA	Water	7470A	592937
400-225433-5	MW-07	Total/NA	Water	7470A	592937
400-225433-6	MW-11R	Total/NA	Water	7470A	592937
400-225433-7	MW-14R	Total/NA	Water	7470A	592937
400-225433-8	DUP-02	Total/NA	Water	7470A	592937
400-225433-9	FB-01	Total/NA	Water	7470A	592937
400-225433-10	EB-01	Total/NA	Water	7470A	592937
400-225433-11	FB-02	Total/NA	Water	7470A	592937
400-225433-12	EB-02	Total/NA	Water	7470A	592937
400-225433-13	MW-09R	Total/NA	Water	7470A	592939
400-225433-14	DUP-03	Total/NA	Water	7470A	592939
MB 400-592937/14-A	Method Blank	Total/NA	Water	7470A	592937
MB 400-592939/14-A	Method Blank	Total/NA	Water	7470A	592939
LCS 400-592937/15-A	Lab Control Sample	Total/NA	Water	7470A	592937
LCS 400-592939/15-A	Lab Control Sample	Total/NA	Water	7470A	592939
400-225342-A-11-E MS	Matrix Spike	Total/NA	Water	7470A	592939
400-225342-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	592939
400-225433-2 MS	MW-08R	Total/NA	Water	7470A	592937
400-225433-2 MSD	MW-08R	Total/NA	Water	7470A	592937

Analysis Batch: 593804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-9	FB-01	Total Recoverable	Water	6020	591783

Analysis Batch: 593995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-9	FB-01	Total Recoverable	Water	6020	591783

Analysis Batch: 599960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-10	EB-01	Total Recoverable	Water	6020	591676
400-225433-11	FB-02	Total Recoverable	Water	6020	591676
400-225433-12	EB-02	Total Recoverable	Water	6020	591676

General Chemistry

Analysis Batch: 591489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	SM 2540C	
400-225433-2	MW-08R	Total/NA	Water	SM 2540C	
400-225433-3	MW-10R	Total/NA	Water	SM 2540C	
400-225433-4	MW-13R	Total/NA	Water	SM 2540C	
400-225433-5	MW-07	Total/NA	Water	SM 2540C	
400-225433-6	MW-11R	Total/NA	Water	SM 2540C	
MB 400-591489/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-591489/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225435-B-2 DU	Duplicate	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

General Chemistry

Analysis Batch: 591502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-7	MW-14R	Total/NA	Water	SM 2540C	
400-225433-8	DUP-02	Total/NA	Water	SM 2540C	
400-225433-9	FB-01	Total/NA	Water	SM 2540C	
400-225433-10	EB-01	Total/NA	Water	SM 2540C	
400-225433-11	FB-02	Total/NA	Water	SM 2540C	
400-225433-12	EB-02	Total/NA	Water	SM 2540C	
MB 400-591502/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-591502/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225433-7 DU	MW-14R	Total/NA	Water	SM 2540C	

Analysis Batch: 592088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	SM 4500 Cl- E	
400-225433-2	MW-08R	Total/NA	Water	SM 4500 Cl- E	
400-225433-3	MW-10R	Total/NA	Water	SM 4500 Cl- E	
400-225433-4	MW-13R	Total/NA	Water	SM 4500 Cl- E	
400-225433-5	MW-07	Total/NA	Water	SM 4500 Cl- E	
400-225433-6	MW-11R	Total/NA	Water	SM 4500 Cl- E	
400-225433-7	MW-14R	Total/NA	Water	SM 4500 Cl- E	
400-225433-8	DUP-02	Total/NA	Water	SM 4500 Cl- E	
400-225433-9	FB-01	Total/NA	Water	SM 4500 Cl- E	
400-225433-10	EB-01	Total/NA	Water	SM 4500 Cl- E	
400-225433-11	FB-02	Total/NA	Water	SM 4500 Cl- E	
MB 400-592088/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592088/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592088/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225499-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225499-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	SM 4500 SO4 E	
400-225433-2	MW-08R	Total/NA	Water	SM 4500 SO4 E	
400-225433-3	MW-10R	Total/NA	Water	SM 4500 SO4 E	
400-225433-4	MW-13R	Total/NA	Water	SM 4500 SO4 E	
400-225433-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
400-225433-6	MW-11R	Total/NA	Water	SM 4500 SO4 E	
400-225433-7	MW-14R	Total/NA	Water	SM 4500 SO4 E	
400-225433-8	DUP-02	Total/NA	Water	SM 4500 SO4 E	
400-225433-9	FB-01	Total/NA	Water	SM 4500 SO4 E	
400-225433-10	EB-01	Total/NA	Water	SM 4500 SO4 E	
400-225433-11	FB-02	Total/NA	Water	SM 4500 SO4 E	
400-225433-12	EB-02	Total/NA	Water	SM 4500 SO4 E	
MB 400-592115/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592115/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592115/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225434-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-225434-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-225435-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-225435-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Eurofins Pensacola

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

General Chemistry

Analysis Batch: 592118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-12	EB-02	Total/NA	Water	SM 4500 Cl- E	
400-225433-13	MW-09R	Total/NA	Water	SM 4500 Cl- E	
400-225433-14	DUP-03	Total/NA	Water	SM 4500 Cl- E	
MB 400-592118/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592118/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592118/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225660-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225660-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	SM 4500 SO4 E	
400-225433-14	DUP-03	Total/NA	Water	SM 4500 SO4 E	
MB 400-592119/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592119/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592119/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225667-A-9 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-225667-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 592212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	SM 2540C	
400-225433-14	DUP-03	Total/NA	Water	SM 2540C	
MB 400-592212/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-592212/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225433-14 DU	DUP-03	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 596277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	Field Sampling	
400-225433-2	MW-08R	Total/NA	Water	Field Sampling	
400-225433-3	MW-10R	Total/NA	Water	Field Sampling	
400-225433-4	MW-13R	Total/NA	Water	Field Sampling	
400-225433-5	MW-07	Total/NA	Water	Field Sampling	
400-225433-6	MW-11R	Total/NA	Water	Field Sampling	
400-225433-7	MW-14R	Total/NA	Water	Field Sampling	
400-225433-8	DUP-02	Total/NA	Water	Field Sampling	
400-225433-13	MW-09R	Total/NA	Water	Field Sampling	
400-225433-14	DUP-03	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-591544/5
Matrix: Water
Analysis Batch: 591544

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			09/06/22 16:30	1

Lab Sample ID: LCS 400-591544/6
Matrix: Water
Analysis Batch: 591544

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 400-591544/7
Matrix: Water
Analysis Batch: 591544

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	11.0		mg/L		110	90 - 110	3	15

Lab Sample ID: 400-225433-1 MS
Matrix: Water
Analysis Batch: 591544

Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	14	U	1000	1180		mg/L		118	80 - 120

Lab Sample ID: 400-225433-1 MSD
Matrix: Water
Analysis Batch: 591544

Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	14	U	1000	1180		mg/L		118	80 - 120	0	20

Lab Sample ID: MB 400-591603/5
Matrix: Water
Analysis Batch: 591603

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			09/07/22 10:50	1

Lab Sample ID: LCS 400-591603/6
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 400-591603/24
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110	1	15

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 400-225433-1 MS
Matrix: Water
Analysis Batch: 591603

Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.14	U	10.0	8.90		mg/L		89	80 - 120

Lab Sample ID: 400-225433-1 MSD
Matrix: Water
Analysis Batch: 591603

Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.14	U	10.0	9.20		mg/L		92	80 - 120	3	20

Lab Sample ID: MB 400-591772/5
Matrix: Water
Analysis Batch: 591772

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			09/08/22 10:52	1

Lab Sample ID: LCS 400-591772/6
Matrix: Water
Analysis Batch: 591772

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	11.4	J3	mg/L		114	90 - 110

Lab Sample ID: LCSD 400-591772/7
Matrix: Water
Analysis Batch: 591772

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	11.3	J3	mg/L		113	90 - 110	1	15

Lab Sample ID: 400-225574-E-1 MS
Matrix: Water
Analysis Batch: 591772

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	2.8	U J3	200	234		mg/L		117	80 - 120

Lab Sample ID: 400-225574-E-1 MSD
Matrix: Water
Analysis Batch: 591772

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	2.8	U J3	200	234		mg/L		117	80 - 120	0	20

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/13/22 17:53	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/13/22 17:53	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/13/22 17:53	5
Calcium	0.452		0.25	0.13	mg/L		09/07/22 15:11	09/13/22 17:53	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/13/22 17:53	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/13/22 17:53	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/13/22 17:53	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/13/22 17:53	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/13/22 17:53	5

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/14/22 17:54	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 17:54	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/14/22 17:54	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/14/22 17:54	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/07/22 15:11	09/14/22 17:54	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 17:54	5
Calcium	0.13	U	0.25	0.13	mg/L		09/07/22 15:11	09/14/22 17:54	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/14/22 17:54	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/14/22 17:54	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/14/22 17:54	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/14/22 17:54	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/14/22 17:54	5

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/15/22 15:59	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/15/22 15:59	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/15/22 15:59	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/15/22 15:59	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/15/22 15:59	5
Calcium	0.835		0.25	0.13	mg/L		09/07/22 15:11	09/15/22 15:59	5
Chromium	0.00116	I	0.0025	0.0010	mg/L		09/07/22 15:11	09/15/22 15:59	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/15/22 15:59	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/15/22 15:59	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/15/22 15:59	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/15/22 15:59	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/15/22 15:59	5

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0530		mg/L		106	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Beryllium	0.0500	0.0511		mg/L		102	80 - 120
Calcium	5.00	5.46		mg/L		109	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Cobalt	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0518		mg/L		104	80 - 120
Lithium	0.0500	0.0520		mg/L		104	80 - 120
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0516		mg/L		103	80 - 120
Thallium	0.0100	0.0103		mg/L		103	80 - 120

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0520		mg/L		104	80 - 120
Arsenic	0.0500	0.0512		mg/L		102	80 - 120
Barium	0.0500	0.0528		mg/L		106	80 - 120
Beryllium	0.0500	0.0514		mg/L		103	80 - 120
Boron	0.100	0.0965		mg/L		97	80 - 120
Cadmium	0.0500	0.0511		mg/L		102	80 - 120
Calcium	5.00	5.52		mg/L		110	80 - 120
Chromium	0.0500	0.0525		mg/L		105	80 - 120
Cobalt	0.0500	0.0521		mg/L		104	80 - 120
Lead	0.0500	0.0512		mg/L		102	80 - 120
Molybdenum	0.0500	0.0523		mg/L		105	80 - 120
Thallium	0.0100	0.0105		mg/L		105	80 - 120

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0512		mg/L		102	80 - 120
Arsenic	0.0500	0.0529		mg/L		106	80 - 120
Barium	0.0500	0.0529		mg/L		106	80 - 120
Beryllium	0.0500	0.0500		mg/L		100	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Chromium	0.0500	0.0532		mg/L		106	80 - 120
Cobalt	0.0500	0.0527		mg/L		105	80 - 120
Lead	0.0500	0.0517		mg/L		103	80 - 120
Molybdenum	0.0500	0.0509		mg/L		102	80 - 120
Selenium	0.0500	0.0477		mg/L		95	80 - 120
Thallium	0.0100	0.0101		mg/L		101	80 - 120

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: 400-225434-C-1-B MS ^100
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Antimony	0.030	U	0.0500	0.0305	I J3	mg/L		61		75 - 125
Arsenic	0.024	U	0.0500	0.0545		mg/L		109		75 - 125
Barium	0.043	I	0.0500	0.102		mg/L		119		75 - 125
Beryllium	0.018	U	0.0500	0.0479	I	mg/L		96		75 - 125
Boron	7.4		0.100	8.04	J3	mg/L		616		75 - 125
Cadmium	0.013	U	0.0500	0.0460	I	mg/L		92		75 - 125
Calcium	90		5.00	94.0	J3	mg/L		71		75 - 125
Chromium	0.020	U	0.0500	0.0577		mg/L		115		75 - 125
Cobalt	0.011	U	0.0500	0.0514		mg/L		103		75 - 125
Lead	0.016	U	0.0500	0.0504		mg/L		101		75 - 125
Molybdenum	0.026	U	0.0500	0.0642	I J3	mg/L		128		75 - 125
Thallium	0.0092	U	0.0100	0.00960	I	mg/L		96		75 - 125

Lab Sample ID: 400-225434-C-1-B MS ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Antimony	0.0015	U	0.0500	0.0524		mg/L		105		75 - 125
Arsenic	0.0012	U	0.0500	0.0436		mg/L		87		75 - 125
Barium	0.054		0.0500	0.103		mg/L		99		75 - 125
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102		75 - 125
Boron	6.6	L	0.100	6.79	L J3	mg/L		169		75 - 125
Cadmium	0.0011	I V	0.0500	0.0544		mg/L		107		75 - 125
Calcium	76	L	5.00	81.8	L	mg/L		116		75 - 125
Chromium	0.0010	U	0.0500	0.0552		mg/L		110		75 - 125
Cobalt	0.00056	U	0.0500	0.0503		mg/L		101		75 - 125
Lead	0.00081	U	0.0500	0.0500		mg/L		100		75 - 125
Lithium	0.0049	U	0.0500	0.0550		mg/L		110		75 - 125
Molybdenum	0.018		0.0500	0.0677		mg/L		100		75 - 125
Selenium	0.00082	U	0.0500	0.0383		mg/L		77		75 - 125
Thallium	0.00046	U	0.0100	0.00993		mg/L		99		75 - 125

Lab Sample ID: 400-225434-C-1-C MSD ^100
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Antimony	0.030	U	0.0500	0.0314	I J3	mg/L		63		75 - 125	3	20
Arsenic	0.024	U	0.0500	0.0475		mg/L		95		75 - 125	14	20
Barium	0.043	I	0.0500	0.0903		mg/L		95		75 - 125	12	20
Beryllium	0.018	U	0.0500	0.0490	I	mg/L		98		75 - 125	2	20
Boron	7.4		0.100	8.24	J3	mg/L		815		75 - 125	2	20
Cadmium	0.013	U	0.0500	0.0486	I	mg/L		97		75 - 125	5	20
Calcium	90		5.00	95.3		mg/L		99		75 - 125	1	20
Chromium	0.020	U	0.0500	0.0550		mg/L		110		75 - 125	5	20
Cobalt	0.011	U	0.0500	0.0515		mg/L		103		75 - 125	0	20
Lead	0.016	U	0.0500	0.0500		mg/L		100		75 - 125	1	20
Molybdenum	0.026	U	0.0500	0.0690	I J3	mg/L		138		75 - 125	7	20

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: 400-225434-C-1-C MSD ^100
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	0.0092	U	0.0100	0.0102		mg/L		102	75 - 125	6	20

Lab Sample ID: 400-225434-C-1-C MSD ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591676

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	0.0520		mg/L		104	75 - 125	1	20
Arsenic	0.0012	U	0.0500	0.0583	J3	mg/L		117	75 - 125	29	20
Barium	0.054		0.0500	0.106		mg/L		104	75 - 125	2	20
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102	75 - 125	0	20
Boron	6.6	L	0.100	6.91	L J3	mg/L		289	75 - 125	2	20
Cadmium	0.0011	I V	0.0500	0.0583		mg/L		115	75 - 125	7	20
Calcium	76	L	5.00	82.6	L J3	mg/L		132	75 - 125	1	20
Chromium	0.0010	U	0.0500	0.0540		mg/L		108	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	1	20
Lead	0.00081	U	0.0500	0.0516		mg/L		103	75 - 125	3	20
Lithium	0.0049	U	0.0500	0.0497		mg/L		99	75 - 125	10	20
Molybdenum	0.018		0.0500	0.0659		mg/L		96	75 - 125	3	20
Selenium	0.00082	U	0.0500	0.0360	J3	mg/L		72	75 - 125	6	20
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125	4	20

Lab Sample ID: MB 400-591783/1-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/08/22 11:41	09/15/22 14:07	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:07	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:07	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:07	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/08/22 11:41	09/15/22 14:07	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:07	5
Calcium	0.13	U	0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:07	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:07	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:07	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:07	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:07	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:07	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:07	5

Lab Sample ID: MB 400-591783/1-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/08/22 11:41	09/16/22 23:16	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/16/22 23:16	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/08/22 11:41	09/16/22 23:16	5

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: MB 400-591783/1-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/16/22 23:16	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/16/22 23:16	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/08/22 11:41	09/16/22 23:16	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/16/22 23:16	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/16/22 23:16	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/16/22 23:16	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/16/22 23:16	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/16/22 23:16	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/16/22 23:16	5

Lab Sample ID: LCS 400-591783/2-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Antimony	0.0500	0.0518		mg/L		104	80 - 120
Arsenic	0.0500	0.0505		mg/L		101	80 - 120
Barium	0.0500	0.0500		mg/L		100	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	5.00	5.12		mg/L		102	80 - 120
Chromium	0.0500	0.0524		mg/L		105	80 - 120
Cobalt	0.0500	0.0512		mg/L		102	80 - 120
Lead	0.0500	0.0507		mg/L		101	80 - 120
Molybdenum	0.0500	0.0501		mg/L		100	80 - 120
Selenium	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.0100	0.0102		mg/L		102	80 - 120

Lab Sample ID: LCS 400-591783/2-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591783

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	0.0516		mg/L		103	80 - 120
Barium	0.0500	0.0517		mg/L		103	80 - 120
Beryllium	0.0500	0.0505		mg/L		101	80 - 120
Cadmium	0.0500	0.0533		mg/L		107	80 - 120
Chromium	0.0500	0.0531		mg/L		106	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Lead	0.0500	0.0498		mg/L		100	80 - 120
Lithium	0.0500	0.0502		mg/L		100	80 - 120
Molybdenum	0.0500	0.0516		mg/L		103	80 - 120
Selenium	0.0500	0.0581		mg/L		116	80 - 120
Thallium	0.0100	0.0102		mg/L		102	80 - 120

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: 400-225433-1 MS
Matrix: Water
Analysis Batch: 592756

Client Sample ID: MW-06
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	0.0015	U	0.0500	0.0538		mg/L		108	75 - 125	
Arsenic	0.0012	U	0.0500	0.0523		mg/L		105	75 - 125	
Barium	0.065		0.0500	0.119		mg/L		108	75 - 125	
Beryllium	0.00098	I	0.0500	0.0508		mg/L		100	75 - 125	
Boron	8.5		0.100	8.51	J3	mg/L		32	75 - 125	
Cadmium	0.00065	U	0.0500	0.0521		mg/L		104	75 - 125	
Calcium	230		5.00	231		mg/L		78	75 - 125	
Chromium	0.0019	I	0.0500	0.0525		mg/L		101	75 - 125	
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	
Lead	0.00081	U	0.0500	0.0506		mg/L		101	75 - 125	
Lithium	0.017		0.0500	0.0668		mg/L		99	75 - 125	
Molybdenum	0.0013	U	0.0500	0.0538		mg/L		108	75 - 125	
Selenium	0.00082	U	0.0500	0.0499		mg/L		100	75 - 125	
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	

Lab Sample ID: 400-225433-1 MSD
Matrix: Water
Analysis Batch: 592756

Client Sample ID: MW-06
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	0.0015	U	0.0500	0.0549		mg/L		110	75 - 125		2	20
Arsenic	0.0012	U	0.0500	0.0519		mg/L		104	75 - 125		1	20
Barium	0.065		0.0500	0.118		mg/L		106	75 - 125		1	20
Beryllium	0.00098	I	0.0500	0.0499		mg/L		98	75 - 125		2	20
Boron	8.5		0.100	8.60		mg/L		117	75 - 125		1	20
Cadmium	0.00065	U	0.0500	0.0513		mg/L		103	75 - 125		2	20
Calcium	230		5.00	234	J3	mg/L		140	75 - 125		1	20
Chromium	0.0019	I	0.0500	0.0522		mg/L		101	75 - 125		0	20
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125		0	20
Lead	0.00081	U	0.0500	0.0506		mg/L		101	75 - 125		0	20
Lithium	0.017		0.0500	0.0683		mg/L		103	75 - 125		2	20
Molybdenum	0.0013	U	0.0500	0.0515		mg/L		103	75 - 125		4	20
Selenium	0.00082	U	0.0500	0.0475		mg/L		95	75 - 125		5	20
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125		0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-592937/14-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592937

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/19/22 08:00	09/21/22 11:36		1

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: LCS 400-592937/15-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592937

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: 400-225433-2 MS
Matrix: Water
Analysis Batch: 593446

Client Sample ID: MW-08R
Prep Type: Total/NA
Prep Batch: 592937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00207		mg/L		103	80 - 120

Lab Sample ID: 400-225433-2 MSD
Matrix: Water
Analysis Batch: 593446

Client Sample ID: MW-08R
Prep Type: Total/NA
Prep Batch: 592937

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	0.00198		mg/L		98	80 - 120	5	20

Lab Sample ID: MB 400-592939/14-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592939

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/19/22 08:00	09/21/22 13:04	1

Lab Sample ID: LCS 400-592939/15-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00112		mg/L		111	80 - 120

Lab Sample ID: 400-225342-A-11-E MS
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 592939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00199		mg/L		99	80 - 120

Lab Sample ID: 400-225342-A-11-F MSD
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 592939

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	0.00218		mg/L		108	80 - 120	9	20

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: MB 400-591489/1
Matrix: Water
Analysis Batch: 591489

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			09/06/22 13:47	1

Lab Sample ID: LCS 400-591489/2
Matrix: Water
Analysis Batch: 591489

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: 400-225435-B-2 DU
Matrix: Water
Analysis Batch: 591489

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		74.0	J3	mg/L		28	5

Lab Sample ID: MB 400-591502/1
Matrix: Water
Analysis Batch: 591502

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			09/06/22 14:01	1

Lab Sample ID: LCS 400-591502/2
Matrix: Water
Analysis Batch: 591502

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: 400-225433-7 DU
Matrix: Water
Analysis Batch: 591502

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	660		688		mg/L		4	5

Lab Sample ID: MB 400-592212/1
Matrix: Water
Analysis Batch: 592212

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			09/12/22 14:47	1

Lab Sample ID: LCS 400-592212/2
Matrix: Water
Analysis Batch: 592212

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	278		mg/L		95	78 - 122

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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

Lab Sample ID: 400-225433-14 DU
Matrix: Water
Analysis Batch: 592212

Client Sample ID: DUP-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	43000	L	42900	L	mg/L		0.2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-592088/13
Matrix: Water
Analysis Batch: 592088

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			09/10/22 23:17	1

Lab Sample ID: LCS 400-592088/14
Matrix: Water
Analysis Batch: 592088

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	49.4		mg/L		99	90 - 110

Lab Sample ID: MRL 400-592088/15
Matrix: Water
Analysis Batch: 592088

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	1.75	I	mg/L		87	50 - 150

Lab Sample ID: 400-225499-C-2 MS
Matrix: Water
Analysis Batch: 592088

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	8.7		10.0	18.1		mg/L		94	73 - 120

Lab Sample ID: 400-225499-C-2 MSD
Matrix: Water
Analysis Batch: 592088

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	8.7		10.0	18.3		mg/L		97	73 - 120	1	8

Lab Sample ID: MB 400-592118/13
Matrix: Water
Analysis Batch: 592118

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			09/11/22 22:59	1

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 400-592118/14
Matrix: Water
Analysis Batch: 592118

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	48.3		mg/L		97	90 - 110

Lab Sample ID: MRL 400-592118/15
Matrix: Water
Analysis Batch: 592118

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	1.56	I	mg/L		78	50 - 150

Lab Sample ID: 400-225660-A-2 MS
Matrix: Water
Analysis Batch: 592118

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	2.9		10.0	11.9		mg/L		90	73 - 120

Lab Sample ID: 400-225660-A-2 MSD
Matrix: Water
Analysis Batch: 592118

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	Limit
Chloride	2.9		10.0	12.1		mg/L		92	73 - 120	2	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-592115/12
Matrix: Water
Analysis Batch: 592115

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			09/11/22 19:52	1

Lab Sample ID: LCS 400-592115/13
Matrix: Water
Analysis Batch: 592115

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	14.6		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592115/14
Matrix: Water
Analysis Batch: 592115

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	4.25	I	mg/L		85	50 - 150

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-225434-B-1 MS
Matrix: Water
Analysis Batch: 592115

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	170		50.0	184	J3	mg/L		21	77 - 128

Lab Sample ID: 400-225434-B-1 MSD
Matrix: Water
Analysis Batch: 592115

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	170		50.0	180	J3	mg/L		13	77 - 128	2	5

Lab Sample ID: 400-225435-B-2 MS
Matrix: Water
Analysis Batch: 592115

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	I	10.0	9.20		mg/L		78	77 - 128

Lab Sample ID: 400-225435-B-2 MSD
Matrix: Water
Analysis Batch: 592115

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	I	10.0	9.36		mg/L		79	77 - 128	2	5

Lab Sample ID: MB 400-592119/12
Matrix: Water
Analysis Batch: 592119

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			09/11/22 23:25	1

Lab Sample ID: LCS 400-592119/13
Matrix: Water
Analysis Batch: 592119

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 400-592119/14
Matrix: Water
Analysis Batch: 592119

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	4.40	I	mg/L		88	50 - 150

Lab Sample ID: 400-225667-A-9 MS
Matrix: Water
Analysis Batch: 592119

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	8.86		mg/L		89	77 - 128

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: 400-225667-A-9 MSD
Matrix: Water
Analysis Batch: 592119

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	9.20		mg/L		92	77 - 128	4	5

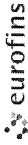
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody Record

Client Information Client Contact: Barry Evans Phone: 850-336-0192 PWSID:		Lab PIV: Whitmire, Cheyenne R E-Mail: Cheyenne.Whitmire@eurofins.com		Carrier Tracking No(s): 400-113781-29464.1 State of Origin: Page 1 of 2 Job #:		
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 2000403482 WO #: 3000004117 Project #: 40006609 SSOHW:		Analysis Requested Field Sampling - Field Sampling Parameters SM4500_S04_E - Sulfate 9315_Ra226, 9320_Ra228, Ra228Ra228_GPC SM4500_CL_E - Chloride 2540C - TDS 6020, 7470A 4500_F_C - Fluoride Perform MS/MSD (Yes or No)				
Address: BIN 731 One Energy Place City: Pensacola State, Zip: FL, 32520 Phone: 850-444-6427(Tel) Email: Barry.Evans@nexteraenergy.com Project Name: CCR Smith Plant Site: Florida		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)				
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)		Total Number of containers Special Instructions/Note:				
MW-06	9-2-22	0844	G	Water	3	
MW-08R	9-2-22	1458	G	Water	4	
MW-10R	9-2-22	1540	G	Water	4	
MW-13R	9-2-22	1226	G	Water	4	
MW-07	9-2-22	1045	G	Water	3	
MW-08R RDH 9-3-22						
MW-11R	9-2-22	1245	G	Water	4	
MW-14R	9-2-22	1127	G	Water	3	
DAP-02	9-2-22	0945	G	Water	3	
FB-01	9-2-22	0812	G	Water	3	
EB-01	9-2-22	0911	G	Water	3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)						
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months						
Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Method of Shipment:				
Relinquished by: Barry Evans Date/Time: 9-3-22 0915 Company: RDH EW		Relinquished by: Penelope Hagancker Date/Time: 9-3-22 1030 Company: CEETS				
Relinquished by: Penelope Hagancker Date/Time: 9-3-22 1030 Company: CEETS		Relinquished by: Penelope Hagancker Date/Time: 9-3-22 0915 Company: RDH EW				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.0°C 2.7: 11.4°C 2.0				



Chain of Custody Record



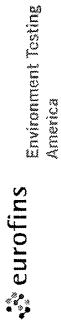
Client Information Client Contact: Barry Evans Company: Florida Power and Light Address: BIN 731 One Energy Place City: Pensacola State, Zip: FL, 32520 Phone: 850-444-6427 (Tel) Email: Barry.Evans@nexteraenergy.com Project Name: CCR Smith Plant Site: Florida		Lab PM: Whitmire, Chyenne R E-Mail: Chyenne.Whitmire@et.eurofins.com Carrier Tracking No(s): State of Origin:		COC No: 400-113781-29464.2 Page: Page 2 of 2 Job #:		
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 2000403482 WO #: 3000004117 Project #: 40006609 SSOW#:		Analysis Requested Field Sampling - Field Sampling Parameters SM4500_Cl_E - Chloride 9315_Ra226, 9320_Ra228, Ra226Ra228_GFP SM4500_SO4_E - Sulfate 2540C - TDS 6020_7470A 4500_F_C - Fluoride Perform MS/MSD (Yes or No)				
Sample Identification FB-02 EB-02		Sample Date 9-2-22 9-2-22	Sample Time 1426 1356	Sample Type (C=comp, G=grab) G G	Matrix (W=water, S=solid, O=water/soli) Water water	Preservation Code: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO4S R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:		Method of Shipment:		
Relinquished by: Perceon Hagedorn Date/Time: 9-3-22 0915 Company: BDH Env		Date/Time: 9-3-22 0915 Company: BDH Env		Date/Time: 9-3-22 0915 Company: BDH Env		
Relinquished by: Perceon Hagedorn Date/Time: 9-3-22 10:50 Company: BDH Env		Date/Time: 9-3-22 10:50 Company: BDH Env		Date/Time: 9-3-22 10:30 Company: BDH Env		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.1°C U.V.C. 2.1°C J.R.J.				



Eurofins Pensacola

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

Chain of Custody Record



Client Information		Sampler: <i>Penw</i>	Lab PM:	Carrier Tracking No(s):	COC No:																																																												
Client Contact:		<i>Redlock</i>	Whitmore, Cheyenne R		400-113781-29464-1																																																												
Barry Evans		Phone: <i>850-336-0192</i>	E-Mail: Cheyenne.Whitmore@et.eurofins.com	State of Origin:	Page 1 of 2 <i>9-7-22</i>																																																												
Company: Florida Power and Light		PWSID:		Job #:																																																													
Address: BIN 731 One Energy Place		Due Date Requested:	<table border="1"> <thead> <tr> <th colspan="2">Analysis Requested</th> <th colspan="2">Field Sampling - Field Sampling Parameters</th> <th colspan="2">Total Number of Containers</th> </tr> </thead> <tbody> <tr> <td>4500_F_C - Fluoride</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>6020_7470A</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>2540C - TDS</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>S4500_SO4_E - Sulfate</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>9315_Ra226_9320_Ra228_Ra226Ra228_GFPC</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>S4500_CL_E - Chloride</td> <td>N</td> <td>D</td> <td>N</td> <td>N</td> <td></td> </tr> <tr> <td>Perform MS/MSD (Yes or No)</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Special Instructions/Note:</td> <td colspan="5">400-225433 COC</td> </tr> </tbody> </table>			Analysis Requested		Field Sampling - Field Sampling Parameters		Total Number of Containers		4500_F_C - Fluoride	N	D	N	N		6020_7470A	N	D	N	N		2540C - TDS	N	D	N	N		S4500_SO4_E - Sulfate	N	D	N	N		9315_Ra226_9320_Ra228_Ra226Ra228_GFPC	N	D	N	N		S4500_CL_E - Chloride	N	D	N	N		Perform MS/MSD (Yes or No)	X					Field Filtered Sample (Yes or No)	X					Special Instructions/Note:	400-225433 COC				
Analysis Requested		Field Sampling - Field Sampling Parameters				Total Number of Containers																																																											
4500_F_C - Fluoride	N	D				N	N																																																										
6020_7470A	N	D				N	N																																																										
2540C - TDS	N	D				N	N																																																										
S4500_SO4_E - Sulfate	N	D				N	N																																																										
9315_Ra226_9320_Ra228_Ra226Ra228_GFPC	N	D				N	N																																																										
S4500_CL_E - Chloride	N	D				N	N																																																										
Perform MS/MSD (Yes or No)	X																																																																
Field Filtered Sample (Yes or No)	X																																																																
Special Instructions/Note:	400-225433 COC																																																																
City: Pensacola	State: FL, 32520	TAT Requested (days):																																																															
Phone: 850-444-6427(Tel)	PO #: 2000403482	Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																															
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117																																																																
Project Name: CCR Smith Plant	Project #: 40006609																																																																
Site: Florida	SSOW#:																																																																
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AS=Air)	Preservation Code:																																																												
MW-06 <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-08B <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-10A <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-10R <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-07 <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-09R				Water																																																													
MW-11R <i>POH</i>	<i>9-7-22</i>			Water																																																													
MW-14B <i>POH</i>	<i>9-7-22</i>			Water																																																													
<i>DUP-03</i>				Water																																																													
				Water																																																													
				Water																																																													
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)																																																																	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:																																																																	
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>Penw</i> Date: <i>9-7-22</i> Company: <i>POH ENV</i> Relinquished by: <i>Penw</i> Date: <i>9-7-22</i> Company: <i>POH ENV</i> Relinquished by: <i>Penw</i> Date: <i>9-7-22</i> Company: <i>POH ENV</i>																																																																	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: <i>0.0°C (19g)</i>																																																																	



Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225433-1

SDG Number: Downgradient

Login Number: 225433

List Number: 1

Creator: Perez, Trina M

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, 2.7°C, 4.4°C IR-9
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 Smith Plant

Job ID: 400-225433-1
SDG: Downgradient

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	10-09-23
Kansas	NELAP	E-10253	10-31-23
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

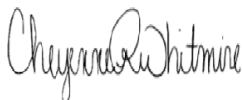
ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-225433-2
Laboratory Sample Delivery Group: Downgradient
Client Project/Site: CCR Smith Plant

For:
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
10/6/2022 9:54:08 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	20
Chronicle	21
QC Association	25
QC Sample Results	26
Chain of Custody	30
Receipt Checklists	33
Certification Summary	36

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Job ID: 400-225433-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-225433-2

Receipt

The samples were received on 9/3/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0° C, 0.0° C, 2.7° C and 4.4° C.

RAD

Method 9315: Radium-226 batch 581385. 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-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), FB-01 (400-225433-9), EB-01 (400-225433-10), FB-02 (400-225433-11), EB-02 (400-225433-12), (LCS 160-581385/2-A), (LCSD 160-581385/3-A) and (MB 160-581385/1-A)

Method 9315: Radium-226 batch 581819. 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-09R (400-225433-13), DUP-03 (400-225433-14), (LCS 160-581819/2-A), (MB 160-581819/1-A), (680-220814-A-4-A), (680-220814-A-4-G MS) and (680-220814-A-4-H MSD)

Method 9320: Radium-228 batch 581386. The detection goal was not met for the following sample(s). The sample was prepped at a reduced volume due to the presence of matrix interferences: MW-14R (400-225433-7). Analytical results are reported with the detection limit achieved.

Method 9320: Radium-228 batch 581386. 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-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), FB-01 (400-225433-9), EB-01 (400-225433-10), FB-02 (400-225433-11), EB-02 (400-225433-12), (LCS 160-581386/2-A), (LCSD 160-581386/3-A) and (MB 160-581386/1-A)

Method 9320: Radium-228 batch 581875. 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-09R (400-225433-13), DUP-03 (400-225433-14), (LCS 160-581875/2-A), (MB 160-581875/1-A), (680-220814-A-4-E), (680-220814-A-4-F MS) and (680-220814-B-4-C MSD)

Methods PrecSep-21, PrecSep_0: The following samples in prep batch 160-581385 and 160-581386 were prepared at a reduced aliquot due to matrix: MW-08R (400-225433-2), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7) and DUP-02 (400-225433-8).

Method PrecSep_0: Radium 228 Batch 160-581386. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-06 (400-225433-1), MW-08R (400-225433-2), MW-10R (400-225433-3), MW-13R (400-225433-4), MW-07 (400-225433-5), MW-11R (400-225433-6), MW-14R (400-225433-7), DUP-02 (400-225433-8), FB-01 (400-225433-9), EB-01 (400-225433-10), FB-02 (400-225433-11) and EB-02 (400-225433-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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

Method Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

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 Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225433-1	MW-06	Water	09/02/22 08:44	09/03/22 10:30
400-225433-2	MW-08R	Water	09/02/22 14:58	09/03/22 10:30
400-225433-3	MW-10R	Water	09/02/22 15:40	09/03/22 10:30
400-225433-4	MW-13R	Water	09/02/22 12:26	09/03/22 10:30
400-225433-5	MW-07	Water	09/02/22 10:45	09/03/22 10:30
400-225433-6	MW-11R	Water	09/02/22 12:45	09/03/22 10:30
400-225433-7	MW-14R	Water	09/02/22 11:27	09/03/22 10:30
400-225433-8	DUP-02	Water	09/02/22 09:45	09/03/22 10:30
400-225433-9	FB-01	Water	09/02/22 08:12	09/03/22 10:30
400-225433-10	EB-01	Water	09/02/22 09:11	09/03/22 10:30
400-225433-11	FB-02	Water	09/02/22 14:26	09/03/22 10:30
400-225433-12	EB-02	Water	09/02/22 13:56	09/03/22 10:30
400-225433-13	MW-09R	Water	09/06/22 10:59	09/07/22 10:23
400-225433-14	DUP-03	Water	09/06/22 09:59	09/07/22 10:23

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

Client Sample Results

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225433-2
 SDG: Downgradient

Client Sample ID: MW-06
Date Collected: 09/02/22 08:44
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-1
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	10.1		0.608	1.09	1.00	0.151	pCi/L	09/08/22 19:12	09/30/22 15:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.0		40 - 110					09/08/22 19:12	09/30/22 15:59	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	14.4		1.29	1.84	1.00	0.651	pCi/L	09/08/22 19:27	09/22/22 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.0		40 - 110					09/08/22 19:27	09/22/22 11:14	1
Y Carrier	76.6		40 - 110					09/08/22 19:27	09/22/22 11:14	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	24.4		1.43	2.14	5.00	0.651	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-08R

Lab Sample ID: 400-225433-2

Date Collected: 09/02/22 14:58

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.61		0.617	0.990	1.00	0.181	pCi/L	09/08/22 19:12	09/30/22 15:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		40 - 110					09/08/22 19:12	09/30/22 15:59	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	9.83		1.20	1.50	1.00	0.743	pCi/L	09/08/22 19:27	09/22/22 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		40 - 110					09/08/22 19:27	09/22/22 11:14	1
Y Carrier	74.4		40 - 110					09/08/22 19:27	09/22/22 11:14	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	18.4		1.35	1.80	5.00	0.743	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-10R

Lab Sample ID: 400-225433-3

Date Collected: 09/02/22 15:40

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	4.81		0.381	0.576	1.00	0.126	pCi/L	09/08/22 19:12	09/30/22 15:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					09/08/22 19:12	09/30/22 15:59	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	10.0		0.972	1.34	1.00	0.510	pCi/L	09/08/22 19:27	09/22/22 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					09/08/22 19:27	09/22/22 11:14	1
Y Carrier	75.1		40 - 110					09/08/22 19:27	09/22/22 11:14	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	14.9		1.04	1.46	5.00	0.510	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-13R

Lab Sample ID: 400-225433-4

Date Collected: 09/02/22 12:26

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	14.4		0.749	1.50	1.00	0.160	pCi/L	09/08/22 19:12	09/30/22 15:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		40 - 110					09/08/22 19:12	09/30/22 15:59	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	10.9		1.22	1.58	1.00	0.754	pCi/L	09/08/22 19:27	09/22/22 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		40 - 110					09/08/22 19:27	09/22/22 11:14	1
Y Carrier	72.9		40 - 110					09/08/22 19:27	09/22/22 11:14	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	25.3		1.43	2.18	5.00	0.754	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-07
Date Collected: 09/02/22 10:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-5
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	30.1		1.08	2.91	1.00	0.121	pCi/L	09/08/22 19:12	09/30/22 15:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		40 - 110					09/08/22 19:12	09/30/22 15:59	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	4.53		0.805	0.907	1.00	0.658	pCi/L	09/08/22 19:27	09/22/22 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		40 - 110					09/08/22 19:27	09/22/22 11:15	1
Y Carrier	74.8		40 - 110					09/08/22 19:27	09/22/22 11:15	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	34.6		1.35	3.05	5.00	0.658	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-11R

Lab Sample ID: 400-225433-6

Date Collected: 09/02/22 12:45

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	12.9		0.727	1.37	1.00	0.143	pCi/L	09/08/22 19:12	09/30/22 16:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					09/08/22 19:12	09/30/22 16:00	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.35		0.826	0.918	1.00	0.706	pCi/L	09/08/22 19:27	09/22/22 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		40 - 110					09/08/22 19:27	09/22/22 11:15	1
Y Carrier	72.1		40 - 110					09/08/22 19:27	09/22/22 11:15	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	17.3		1.10	1.65	5.00	0.706	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-14R

Lab Sample ID: 400-225433-7

Date Collected: 09/02/22 11:27

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.939		0.319	0.330	1.00	0.344	pCi/L	09/08/22 19:12	09/30/22 16:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	48.9		40 - 110					09/08/22 19:12	09/30/22 16:00	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.765	U G	0.898	0.901	1.00	1.48	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	48.9		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	71.4		40 - 110					09/08/22 19:27	09/22/22 11:16	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	1.70		0.953	0.960	5.00	1.48	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: DUP-02
Date Collected: 09/02/22 09:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-8
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	31.1		1.09	3.01	1.00	0.140	pCi/L	09/08/22 19:12	09/30/22 16:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					09/08/22 19:12	09/30/22 16:00	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.28		0.864	0.949	1.00	0.867	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	71.4		40 - 110					09/08/22 19:27	09/22/22 11:16	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	35.4		1.39	3.16	5.00	0.867	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: FB-01
Date Collected: 09/02/22 08:12
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-9
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	-0.0182	U	0.0603	0.0604	1.00	0.131	pCi/L	09/08/22 19:12	09/30/22 16:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		40 - 110					09/08/22 19:12	09/30/22 16:00	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.781		0.411	0.418	1.00	0.586	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	72.5		40 - 110					09/08/22 19:27	09/22/22 11:16	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	0.763		0.415	0.422	5.00	0.586	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225433-2
 SDG: Downgradient

Client Sample ID: EB-01
 Date Collected: 09/02/22 09:11
 Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-10
 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	0.0160	U	0.0803	0.0803	1.00	0.151	pCi/L	09/08/22 19:12	09/30/22 16:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		40 - 110					09/08/22 19:12	09/30/22 16:00	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.729		0.413	0.418	1.00	0.595	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	73.3		40 - 110					09/08/22 19:27	09/22/22 11:16	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	0.745		0.421	0.426	5.00	0.595	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: FB-02
Date Collected: 09/02/22 14:26
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-11
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	0.0624	U	0.0698	0.0700	1.00	0.112	pCi/L	09/08/22 19:12	09/30/22 18:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		40 - 110					09/08/22 19:12	09/30/22 18:33	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	0.595		0.394	0.398	1.00	0.586	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	75.5		40 - 110					09/08/22 19:27	09/22/22 11:16	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	0.658		0.400	0.404	5.00	0.586	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: EB-02
Date Collected: 09/02/22 13:56
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-12
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	0.0945	U	0.0690	0.0695	1.00	0.0951	pCi/L	09/08/22 19:12	09/30/22 18:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					09/08/22 19:12	09/30/22 18:33	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	0.589		0.380	0.384	1.00	0.567	pCi/L	09/08/22 19:27	09/22/22 11:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					09/08/22 19:27	09/22/22 11:16	1
Y Carrier	77.0		40 - 110					09/08/22 19:27	09/22/22 11:16	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	0.683		0.386	0.390	5.00	0.567	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-09R

Lab Sample ID: 400-225433-13

Date Collected: 09/06/22 10:59

Matrix: Water

Date Received: 09/07/22 10:23

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.51		1.08	1.18	1.00	0.782	pCi/L	09/12/22 13:14	10/04/22 18:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					09/12/22 13:14	10/04/22 18:28	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.20		0.955	1.03	1.00	0.863	pCi/L	09/13/22 07:15	10/04/22 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					09/13/22 07:15	10/04/22 12:43	1
Y Carrier	88.2		40 - 110					09/13/22 07:15	10/04/22 12:43	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	9.71		1.44	1.57	5.00	0.863	pCi/L		10/05/22 13:44	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: DUP-03
Date Collected: 09/06/22 09:59
Date Received: 09/07/22 10:23

Lab Sample ID: 400-225433-14
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	6.68		1.13	1.28	1.00	0.715	pCi/L	09/12/22 13:14	10/04/22 18:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					09/12/22 13:14	10/04/22 18:28	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.01		1.01	1.11	1.00	0.910	pCi/L	09/13/22 07:15	10/04/22 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					09/13/22 07:15	10/04/22 12:48	1
Y Carrier	87.1		40 - 110					09/13/22 07:15	10/04/22 12:48	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	11.7		1.52	1.69	5.00	0.910	pCi/L		10/05/22 13:44	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-06
Date Collected: 09/02/22 08:44
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 15:59
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:14
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: MW-08R
Date Collected: 09/02/22 14:58
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 15:59
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:14
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: MW-10R
Date Collected: 09/02/22 15:40
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 15:59
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:14
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: MW-13R
Date Collected: 09/02/22 12:26
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 15:59
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:14
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-07
Date Collected: 09/02/22 10:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 15:59
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:15
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: MW-11R
Date Collected: 09/02/22 12:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 16:00
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583193	CLP	EET SL	09/22/22 11:15
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: MW-14R
Date Collected: 09/02/22 11:27
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 16:00
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: DUP-02
Date Collected: 09/02/22 09:45
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 16:00
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: FB-01
Date Collected: 09/02/22 08:12
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 16:00
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: EB-01
Date Collected: 09/02/22 09:11
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 16:00
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: FB-02
Date Collected: 09/02/22 14:26
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 18:33
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: EB-02
Date Collected: 09/02/22 13:56
Date Received: 09/03/22 10:30

Lab Sample ID: 400-225433-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581385	BMP	EET SL	09/08/22 19:12
Total/NA	Analysis	9315		1	584236	FLC	EET SL	09/30/22 18:33
Total/NA	Prep	PrecSep_0			581386	BMP	EET SL	09/08/22 19:27
Total/NA	Analysis	9320		1	583159	FLC	EET SL	09/22/22 11:16
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Client Sample ID: MW-09R

Lab Sample ID: 400-225433-13

Date Collected: 09/06/22 10:59

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581819	BMP	EET SL	09/12/22 13:14
Total/NA	Analysis	9315		1	584571	CLP	EET SL	10/04/22 18:28
Total/NA	Prep	PrecSep_0			581875	BMP	EET SL	09/13/22 07:15
Total/NA	Analysis	9320		1	584568	FLC	EET SL	10/04/22 12:43
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

Client Sample ID: DUP-03

Lab Sample ID: 400-225433-14

Date Collected: 09/06/22 09:59

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581819	BMP	EET SL	09/12/22 13:14
Total/NA	Analysis	9315		1	584571	CLP	EET SL	10/04/22 18:28
Total/NA	Prep	PrecSep_0			581875	BMP	EET SL	09/13/22 07:15
Total/NA	Analysis	9320		1	584568	FLC	EET SL	10/04/22 12:48
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

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 Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Rad

Prep Batch: 581385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	PrecSep-21	
400-225433-2	MW-08R	Total/NA	Water	PrecSep-21	
400-225433-3	MW-10R	Total/NA	Water	PrecSep-21	
400-225433-4	MW-13R	Total/NA	Water	PrecSep-21	
400-225433-5	MW-07	Total/NA	Water	PrecSep-21	
400-225433-6	MW-11R	Total/NA	Water	PrecSep-21	
400-225433-7	MW-14R	Total/NA	Water	PrecSep-21	
400-225433-8	DUP-02	Total/NA	Water	PrecSep-21	
400-225433-9	FB-01	Total/NA	Water	PrecSep-21	
400-225433-10	EB-01	Total/NA	Water	PrecSep-21	
400-225433-11	FB-02	Total/NA	Water	PrecSep-21	
400-225433-12	EB-02	Total/NA	Water	PrecSep-21	
MB 160-581385/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-581385/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-581385/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 581386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-1	MW-06	Total/NA	Water	PrecSep_0	
400-225433-2	MW-08R	Total/NA	Water	PrecSep_0	
400-225433-3	MW-10R	Total/NA	Water	PrecSep_0	
400-225433-4	MW-13R	Total/NA	Water	PrecSep_0	
400-225433-5	MW-07	Total/NA	Water	PrecSep_0	
400-225433-6	MW-11R	Total/NA	Water	PrecSep_0	
400-225433-7	MW-14R	Total/NA	Water	PrecSep_0	
400-225433-8	DUP-02	Total/NA	Water	PrecSep_0	
400-225433-9	FB-01	Total/NA	Water	PrecSep_0	
400-225433-10	EB-01	Total/NA	Water	PrecSep_0	
400-225433-11	FB-02	Total/NA	Water	PrecSep_0	
400-225433-12	EB-02	Total/NA	Water	PrecSep_0	
MB 160-581386/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-581386/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-581386/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 581819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	PrecSep-21	
400-225433-14	DUP-03	Total/NA	Water	PrecSep-21	
MB 160-581819/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-581819/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-220814-A-4-G MS	Matrix Spike	Total/NA	Water	PrecSep-21	
680-220814-A-4-H MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 581875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225433-13	MW-09R	Total/NA	Water	PrecSep_0	
400-225433-14	DUP-03	Total/NA	Water	PrecSep_0	
MB 160-581875/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-581875/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-220814-A-4-F MS	Matrix Spike	Total/NA	Water	PrecSep_0	
680-220814-B-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-581385/1-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581385

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04513	U	0.0682	0.0683	1.00	0.117	pCi/L	09/08/22 19:12	09/30/22 15:57	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	91.1		40 - 110					09/08/22 19:12	09/30/22 15:57	1

Lab Sample ID: LCS 160-581385/2-A
Matrix: Water
Analysis Batch: 584236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581385

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.66		1.12	1.00	0.110	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	94.6		40 - 110					09/08/22 19:12	09/30/22 15:57

Lab Sample ID: LCSD 160-581385/3-A
Matrix: Water
Analysis Batch: 584236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581385

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	10.55		1.11	1.00	0.119	pCi/L	93	75 - 125	0.05	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	93.6		40 - 110					09/08/22 19:12	09/30/22 15:57	1	

Lab Sample ID: MB 160-581819/1-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581819

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1100	U	0.163	0.163	1.00	0.279	pCi/L	09/12/22 13:14	10/04/22 17:41	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	101		40 - 110					09/12/22 13:14	10/04/22 17:41	1

Lab Sample ID: LCS 160-581819/2-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	8.921		1.19	1.00	0.296	pCi/L	79	75 - 125

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

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

Lab Sample ID: LCS 160-581819/2-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581819

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		40 - 110

Lab Sample ID: 680-220814-A-4-G MS
Matrix: Water
Analysis Batch: 584571

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-226	1.32		11.4	10.46		1.37	1.00	0.373	pCi/L	80	60 - 140	

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	102		40 - 110

Lab Sample ID: 680-220814-A-4-H MSD
Matrix: Water
Analysis Batch: 584571

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER Limit	
													RER	Limit
Radium-226	1.32		11.4	10.58		1.36	1.00	0.362	pCi/L	81	60 - 140	0.05	1	

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-581386/1-A
Matrix: Water
Analysis Batch: 583193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581386

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
Radium-228	0.7114		0.381	0.386	1.00	0.540	pCi/L	09/08/22 19:27	09/22/22 11:14		1	

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier				
Ba Carrier	91.1		40 - 110	09/08/22 19:27	09/22/22 11:14	1
Y Carrier	80.7		40 - 110	09/08/22 19:27	09/22/22 11:14	1

Lab Sample ID: LCS 160-581386/2-A
Matrix: Water
Analysis Batch: 583193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581386

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.26	7.267		1.07	1.00	0.534	pCi/L	88	75 - 125	

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

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

Lab Sample ID: LCS 160-581386/2-A
Matrix: Water
Analysis Batch: 583193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581386

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	94.6		40 - 110
Y Carrier	80.4		40 - 110

Lab Sample ID: LCSD 160-581386/3-A
Matrix: Water
Analysis Batch: 583193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581386

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
									75 - 125	0.18	1	
Radium-228	8.26	6.887		1.03	1.00	0.490	pCi/L	83	75 - 125	0.18	1	

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	93.6		40 - 110
Y Carrier	81.1		40 - 110

Lab Sample ID: MB 160-581875/1-A
Matrix: Water
Analysis Batch: 584569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581875

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								09/13/22 07:15	10/04/22 12:40	10/04/22 12:40	1	
Radium-228	0.1149	U	0.296	0.296	1.00	0.520	pCi/L	09/13/22 07:15	10/04/22 12:40	10/04/22 12:40	1	

Carrier	MB		Limits	Prepared		Analyzed		Dil Fac
	%Yield	Qualifier		09/13/22 07:15	10/04/22 12:40	10/04/22 12:40	1	
Ba Carrier	101		40 - 110	09/13/22 07:15	10/04/22 12:40	10/04/22 12:40	1	
Y Carrier	87.1		40 - 110	09/13/22 07:15	10/04/22 12:40	10/04/22 12:40	1	

Lab Sample ID: LCS 160-581875/2-A
Matrix: Water
Analysis Batch: 584569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581875

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75 - 125	
Radium-228	8.22	7.437		1.07	1.00	0.525	pCi/L	90	75 - 125	

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	99.0		40 - 110
Y Carrier	85.2		40 - 110

Lab Sample ID: 680-220814-A-4-F MS
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581875

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
											60 - 140	
Radium-228	1.71		8.28	10.44		1.33	1.00	0.456	pCi/L	106	60 - 140	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

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

Lab Sample ID: 680-220814-A-4-F MS
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581875

	<i>MS</i>	<i>MS</i>	
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>
Ba Carrier	102		40 - 110
Y Carrier	87.5		40 - 110

Lab Sample ID: 680-220814-B-4-C MSD
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 581875

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qual</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qual</i>	<i>Total Uncert. (2σ+/-)</i>	<i>RL</i>	<i>MDC</i>	<i>Unit</i>	<i>%Rec</i>	<i>%Rec</i>		<i>RER</i>
											<i>Limits</i>	<i>RER</i>	
Radium-228	1.71		8.30	10.86		1.38	1.00	0.440	pCi/L	110	60 - 140	0.15	1

	<i>MSD</i>	<i>MSD</i>	
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>
Ba Carrier	99.0		40 - 110
Y Carrier	87.9		40 - 110

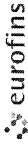
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Chain of Custody Record

Client Information Client Contact: Barry Evans Phone: 850-336-0192 PWSID:		Lab PIV: Whitmire, Cheyenne R E-Mail: Cheyenne.Whitmire@et.eurofins.com		Carrier Tracking No(s): 400-113781-29464.1 State of Origin: Page 1 of 2 Job #:		
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 2000403482 WO #: 3000004117 Project #: 40006609 SSOHW:		Analysis Requested Field Sampling - Field Sampling Parameters SM4500_S04_E - Sulfate 9315_Ra226, 9320_Ra228, Ra228Ra228_GPC SM4500_CL_E - Chloride 2540C - TDS 6020, 7470A 4500_F_C - Fluoride Perform MS/MSD (Yes or No)				
Address: BIN 731 One Energy Place City: Pensacola State, Zip: FL, 32520 Phone: 850-444-6427(Tel) Email: Barry.Evans@nexteraenergy.com Project Name: CCR Smith Plant Site: Florida		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)				
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)		Total Number of containers Special Instructions/Note:				
MW-06	9-2-22	0844	G	Water	3	
MW-08R	9-2-22	1458	G	Water	4	
MW-10R	9-2-22	1540	G	Water	4	
MW-13R	9-2-22	1226	G	Water	4	
MW-07	9-2-22	1045	G	Water	3	
MW-08R RDH 9-3-22						
MW-11R	9-2-22	1245	G	Water	4	
MW-14R	9-2-22	1127	G	Water	3	
DAP-02	9-2-22	0945	G	Water	3	
FB-01	9-2-22	0812	G	Water	3	
EB-01	9-2-22	0911	G	Water	3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)						
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months						
Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Method of Shipment:				
Relinquished by: Barry Evans Date/Time: 9-3-22 0915 Company: RDH EW		Relinquished by: Penelope Hagancker Date/Time: 9-3-22 1030 Company: CEETS				
Relinquished by: Penelope Hagancker Date/Time: 9-3-22 1030 Company: CEETS		Relinquished by: Penelope Hagancker Date/Time: 9-3-22 0915 Company: RDH EW				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.0°C 2.7: 11.4°C 2.8				



Chain of Custody Record



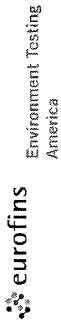
Client Information Client Contact: Barry Evans Company: Florida Power and Light Address: BIN 731 One Energy Place City: Pensacola State, Zip: FL, 32520 Phone: 850-444-6427 (Tel) Email: Barry.Evans@nexteraenergy.com Project Name: CCR Smith Plant Site: Florida		Lab PM: Whitmire, Chyanne R E-Mail: Chyanne.Whitmire@et.eurofins.com PWSID:		Carrier Tracking No(s): 400-113781-29464.2 State of Origin:		COC No: 400-113781-29464.2 Page: Page 2 of 2 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 2000403482 WO #: 3000004117 Project #: 40006609 SSOW#:		Analysis Requested 4500_F_C - Fluoride 6020_7470A 2540C - TDS SM4500_SO4_E - Sulfate 9315_Ra226, 9320_Ra228, Ra226Ra228_GFP SM4500_Cl_E - Chloride Field Sampling - Field Sampling Parameters		Total Number of Containers:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO4 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma L - EDA Other:	
Sample Identification Sample Date: 9-2-22 Sample Time: 1426 Sample Type (C=comp, G=grab): G Matrix (W=water, S=solid, O=water/soli): Water Field Filtered Sample (Yes or No): No Perform MS/MSD (Yes or No): No		Sample Date: 9-2-22 Sample Time: 1356 Sample Type (C=comp, G=grab): G Matrix (W=water, S=solid, O=water/soli): water		Special Instructions/Note: FB-02 EB-02		Special Instructions/Note: 3 3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date:		Method of Shipment:		Time:	
Relinquished by: <i>Amr Al...</i>		Date/Time: 9-2-22 0915		Received by: <i>Perceon Hagedorn</i>		Date/Time: 9-3-22 0915 Company: EDH Env	
Relinquished by: <i>Perceon Hagedorn</i>		Date/Time: 9-3-22 10:50		Received by: <i>Perceon Hagedorn</i>		Date/Time: 9/3/22 1030 Company: EDH Env	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.1°C U.V.C. 2.1°C I.R.		Company:	



Eurofins Pensacola

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

Chain of Custody Record



Client Information		Sampler: <i>Penw</i>	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact:		<i>Redlock</i>	Whitmore, Cheyenne R		400-113781-29464-1
Barry Evans		Phone:	E-Mail:	State of Origin:	Page 1 of 2
Company:		<i>850 336-0192</i>	Cheyenne.Whitmore@et.eurofins.com		Job #: <i>197-22</i>
Address:		PWSID:			
BIN 731 One Energy Place		Due Date Requested:			
City:	Pensacola	TAT Requested (days):			
State:	FL, 32520	Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Phone:	850-444-6427(Tel)	PO #:	2000403482	Field Filtered Sample (Yes or No)	
Email:	Barry.Evans@nexteraenergy.com	WO #:	3000004117	Perform MS/MSD (Yes or No)	
Project Name:	CCR Smith Plant	Project #:	40006609	4500_F_C - Fluoride	
Site:	Florida	SSOW#:		6020_7470A	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AS=Air)
MW-06	<i>POH</i>	<i>7-7-22</i>			Water
MW-08R	<i>POH</i>	<i>7-7-22</i>			Water
MW-10R	<i>POH</i>	<i>7-7-22</i>			Water
MW-10R	<i>POH</i>	<i>7-7-22</i>			Water
MW-09	<i>POH</i>	<i>7-7-22</i>			Water
MW-09R					Water
MW-11R	<i>POH</i>	<i>7-7-22</i>			Water
MW-14B	<i>POH</i>	<i>7-7-22</i>			Water
DUP-03					Water
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Time:			
Relinquished by: <i>Penw</i>		Date: <i>7-7-22</i>			
Relinquished by: <i>Penw</i>		Date: <i>7-7-22</i>			
Relinquished by: <i>Penw</i>		Date: <i>7-7-22</i>			
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>0.0°C (19g)</i>			



Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225433-2

SDG Number: Downgradient

Login Number: 225433

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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, 2.7°C, 4.4°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: 400-225433-2

SDG Number: Downgradient

Login Number: 225433

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/07/22 10:27 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	False	Seal on cooler 2 was broken but samples dont seem to be tampered with.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225433-2
SDG Number: Downgradient

Login Number: 225433

List Number: 3

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/09/22 12:24 PM

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



Accreditation/Certification Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225433-2
SDG: Downgradient

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-22 *
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-23
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22 *
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-23
Washington	State	C592	08-30-23
West Virginia DEP	State	381	10-31-22

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/15/2022 8:41:57 PM Revision 1

JOB DESCRIPTION

CCR Smith Plant
SDG NUMBER Delineation Sampling Event

JOB NUMBER

400-225434-1



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	10
Chronicle	11
QC Association	12
QC Sample Results	15
Chain of Custody	25
Receipt Checklists	27
Certification Summary	28
Appendix	29

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Job ID: 400-225434-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-225434-1

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 9/3/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0° C and 4.4° C.

HPLC/IC

Method 300.0: The following sample was diluted due to the abundance of non-target analytes: MWI-12A (400-225434-1). Elevated reporting limits (RLs) are provided.

Method 300.0: The continuing calibration verification (CCV) associated with batch 400-591772 recovered above the upper control limit for Fluoride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 300.0: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 400-591772 recovered outside control limits for the following analytes: Fluoride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Metals

Method 6020: The matrix spike duplicate (MSD) recoveries for preparation batch 400-591676 and analytical batch 400-592429 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020: The serial dilution performed for the following sample associated with batch 400-592429 was outside control limits: (400-225434-C-1-A SD ^25)

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: MWI-12A (400-225434-1). Elevated reporting limits (RLs) are provided.

Method 6020: The ICV for batch 400-592624 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 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: PZ-14 (400-225434-2). Elevated reporting limits (RLs) are provided.

General Chemistry

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MWI-12A (400-225434-1) and PZ-14 (400-225434-2). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-592115 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MWI-12A (400-225434-1) and PZ-14 (400-225434-2). Elevated reporting limits (RLs) are provided.

Method SM 2540C: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: (400-225433-B-14) and (400-225433-B-14 DU). Reanalysis could not be performed due to holding time exceedance, or due to the matrix, 5ml was used for the method. The sample aliquot was over the method accepted range. Using a smaller amount will prevent the ability to obtain a representative aliquot for the method. As such, 5ml is being reported or annotated. The reference method

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Job ID: 400-225434-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

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: Report revised to report the 5X dilutions.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Client Sample ID: MWI-12A

Lab Sample ID: 400-225434-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0017		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.054		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	7.4		1.0	0.024	mg/L	100		6020	Total Recoverable
Calcium	90		5.0	2.5	mg/L	100		6020	Total Recoverable
Molybdenum	0.018		0.015	0.0013	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	680		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	150		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	170		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	6.19				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-14

Lab Sample ID: 400-225434-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.64	I J3	1.0	0.14	mg/L	1		300.0	Total/NA
Arsenic	0.0027		0.0013	0.0012	mg/L	5		6020	Total Recoverable
Barium	0.15		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	12		2.5	0.059	mg/L	250		6020	Total Recoverable
Calcium	660		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0024	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	5500		50	50	mg/L	1		SM 2540C	Total/NA
Chloride	1900		40	28	mg/L	20		SM 4500 Cl- E	Total/NA
Sulfate	1600		250	70	mg/L	50		SM 4500 SO4 E	Total/NA
Field pH	6.25				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 Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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 Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225434-1	MWI-12A	Water	09/02/22 09:03	09/03/22 10:30
400-225434-2	PZ-14	Water	09/06/22 12:40	09/07/22 10:23

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Client Sample ID: MWI-12A

Lab Sample ID: 400-225434-1

Date Collected: 09/02/22 09:03

Matrix: Water

Date Received: 09/03/22 10:30

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			09/07/22 16:23	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		09/07/22 15:11	09/13/22 18:00	5
Arsenic	0.0017		0.0013	0.0012	mg/L		09/07/22 15:11	11/10/22 13:51	5
Barium	0.054		0.0025	0.00070	mg/L		09/07/22 15:11	09/13/22 18:00	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/13/22 18:00	5
Boron	7.4		1.0	0.024	mg/L		09/07/22 15:11	09/14/22 18:00	100
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	11/09/22 10:58	5
Calcium	90		5.0	2.5	mg/L		09/07/22 15:11	09/14/22 18:00	100
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/13/22 18:00	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/13/22 18:00	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/13/22 18:00	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/13/22 18:00	5
Molybdenum	0.018		0.015	0.0013	mg/L		09/07/22 15:11	09/13/22 18:00	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/13/22 18:00	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/13/22 18:00	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		09/19/22 08:00	09/21/22 13:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		5.0	5.0	mg/L			09/06/22 14:01	1
Chloride (SM 4500 Cl- E)	150		10	7.0	mg/L			09/11/22 23:05	5
Sulfate (SM 4500 SO4 E)	170		25	7.0	mg/L			09/11/22 20:05	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.19				SU			09/02/22 09:03	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Client Sample ID: PZ-14
Date Collected: 09/06/22 12:40
Date Received: 09/07/22 10:23

Lab Sample ID: 400-225434-2
Matrix: Water

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.64	I J3	1.0	0.14	mg/L			09/08/22 13:59	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		09/08/22 11:41	09/15/22 15:18	5
Arsenic	0.0027		0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 15:18	5
Barium	0.15		0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 15:18	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 15:18	5
Boron	12		2.5	0.059	mg/L		09/08/22 11:41	09/15/22 22:06	250
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 15:18	5
Calcium	660		0.25	0.13	mg/L		09/08/22 11:41	09/15/22 15:18	5
Chromium	0.0024	I	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 15:18	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 15:18	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 15:18	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/15/22 15:18	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 15:18	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 15:18	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 15:18	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		10/02/22 11:52	10/03/22 12:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5500		50	50	mg/L			09/12/22 14:47	1
Chloride (SM 4500 Cl- E)	1900		40	28	mg/L			09/11/22 23:56	20
Sulfate (SM 4500 SO4 E)	1600		250	70	mg/L			09/12/22 00:30	50

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.25				SU			09/06/22 12:40	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Qualifiers

HPLC/IC

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.

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.
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.

Glossary

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Client Sample ID: MWI-12A

Lab Sample ID: 400-225434-1

Date Collected: 09/02/22 09:03

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591603	JAS	EET PEN	09/07/22 16:23
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		100	592624	NTH	EET PEN	09/14/22 18:00
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	599960	NTH	EET PEN	11/09/22 10:58
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	600516	NTH	EET PEN	11/10/22 13:51
Total Recoverable	Prep	3005A			591676	KWN	EET PEN	09/07/22 15:11 - 09/07/22 17:42 ¹
Total Recoverable	Analysis	6020		5	592429	NTH	EET PEN	09/13/22 18:00
Total/NA	Prep	7470A			592939	NET	EET PEN	09/19/22 08:00 - 09/19/22 10:30 ¹
Total/NA	Analysis	7470A		1	593446	NET	EET PEN	09/21/22 13:41
Total/NA	Analysis	SM 2540C		1	591502	VB	EET PEN	09/06/22 14:01
Total/NA	Analysis	SM 4500 Cl- E		5	592118	DN1	EET PEN	09/11/22 23:05
Total/NA	Analysis	SM 4500 SO4 E		5	592115	DN1	EET PEN	09/11/22 20:05
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/02/22 09:03

Client Sample ID: PZ-14

Lab Sample ID: 400-225434-2

Date Collected: 09/06/22 12:40

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	591772	JAS	EET PEN	09/08/22 13:59
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		5	592756	NTH	EET PEN	09/15/22 15:18
Total Recoverable	Prep	3005A			591783	KWN	EET PEN	09/08/22 11:41 - 09/08/22 14:35 ¹
Total Recoverable	Analysis	6020		250	592756	NTH	EET PEN	09/15/22 22:06
Total/NA	Prep	7470A			594695	NET	EET PEN	10/02/22 11:52 - 10/02/22 15:48 ¹
Total/NA	Analysis	7470A		1	594812	NET	EET PEN	10/03/22 12:09
Total/NA	Analysis	SM 2540C		1	592212	VB	EET PEN	09/12/22 14:47
Total/NA	Analysis	SM 4500 Cl- E		20	592118	DN1	EET PEN	09/11/22 23:56
Total/NA	Analysis	SM 4500 SO4 E		50	592119	DN1	EET PEN	09/12/22 00:30
Total/NA	Analysis	Field Sampling		1	596277	S1K	EET PEN	09/06/22 12:40

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

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

HPLC/IC

Analysis Batch: 591603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	300.0	
MB 400-591603/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591603/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591603/24	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225433-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225433-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 591772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	300.0	
MB 400-591772/5	Method Blank	Total/NA	Water	300.0	
LCS 400-591772/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-591772/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-225574-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
400-225574-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 591676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total Recoverable	Water	3005A	
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225434-1 MS	MWI-12A	Total Recoverable	Water	3005A	
400-225434-1 MSD	MWI-12A	Total Recoverable	Water	3005A	

Prep Batch: 591783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total Recoverable	Water	3005A	
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-225433-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-225433-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 592429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total Recoverable	Water	6020	591676
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
400-225434-1 MS	MWI-12A	Total Recoverable	Water	6020	591676
400-225434-1 MSD	MWI-12A	Total Recoverable	Water	6020	591676

Analysis Batch: 592624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total Recoverable	Water	6020	591676
MB 400-591676/1-A ^5	Method Blank	Total Recoverable	Water	6020	591676
LCS 400-591676/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591676
400-225434-1 MS	MWI-12A	Total Recoverable	Water	6020	591676
400-225434-1 MSD	MWI-12A	Total Recoverable	Water	6020	591676

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Metals

Analysis Batch: 592756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total Recoverable	Water	6020	591783
400-225434-2	PZ-14	Total Recoverable	Water	6020	591783
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	6020	591783
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591783
400-225433-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	6020	591783
400-225433-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	591783

Prep Batch: 592939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	7470A	
MB 400-592939/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-592939/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225342-A-11-E MS	Matrix Spike	Total/NA	Water	7470A	
400-225342-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 592944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-591783/1-A ^5	Method Blank	Total Recoverable	Water	6020	591783
LCS 400-591783/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	591783

Analysis Batch: 593446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	7470A	592939
MB 400-592939/14-A	Method Blank	Total/NA	Water	7470A	592939
LCS 400-592939/15-A	Lab Control Sample	Total/NA	Water	7470A	592939
400-225342-A-11-E MS	Matrix Spike	Total/NA	Water	7470A	592939
400-225342-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	592939

Prep Batch: 594695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	7470A	
MB 400-594695/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-594695/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-225708-H-3-C MS	Matrix Spike	Dissolved	Water	7470A	
400-225708-H-3-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	

Analysis Batch: 594812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	7470A	594695
MB 400-594695/14-A	Method Blank	Total/NA	Water	7470A	594695
LCS 400-594695/15-A	Lab Control Sample	Total/NA	Water	7470A	594695
400-225708-H-3-C MS	Matrix Spike	Dissolved	Water	7470A	594695
400-225708-H-3-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	594695

Analysis Batch: 599960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total Recoverable	Water	6020	591676

Analysis Batch: 600516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total Recoverable	Water	6020	591676

Eurofins Pensacola

QC Association Summary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

General Chemistry

Analysis Batch: 591502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	SM 2540C	
MB 400-591502/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-591502/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225433-B-7 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 592115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	SM 4500 SO4 E	
MB 400-592115/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592115/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592115/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225434-1 MS	MWI-12A	Total/NA	Water	SM 4500 SO4 E	
400-225434-1 MSD	MWI-12A	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 592118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	SM 4500 Cl- E	
400-225434-2	PZ-14	Total/NA	Water	SM 4500 Cl- E	
MB 400-592118/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-592118/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-592118/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-225660-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-225660-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 592119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	SM 4500 SO4 E	
MB 400-592119/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-592119/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-592119/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-225667-A-9 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-225667-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 592212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	SM 2540C	
MB 400-592212/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-592212/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-225433-B-14 DU	Duplicate	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 596277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	Field Sampling	
400-225434-2	PZ-14	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-591603/5
Matrix: Water
Analysis Batch: 591603

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			09/07/22 10:50	1

Lab Sample ID: LCS 400-591603/6
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 400-591603/24
Matrix: Water
Analysis Batch: 591603

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	10.9		mg/L		109	90 - 110	1	15

Lab Sample ID: 400-225433-B-1 MS
Matrix: Water
Analysis Batch: 591603

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	0.14	U	10.0	8.90		mg/L		89	80 - 120

Lab Sample ID: 400-225433-B-1 MSD
Matrix: Water
Analysis Batch: 591603

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	0.14	U	10.0	9.20		mg/L		92	80 - 120	3	20

Lab Sample ID: MB 400-591772/5
Matrix: Water
Analysis Batch: 591772

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			09/08/22 10:52	1

Lab Sample ID: LCS 400-591772/6
Matrix: Water
Analysis Batch: 591772

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	11.4	J3	mg/L		114	90 - 110

Lab Sample ID: LCSD 400-591772/7
Matrix: Water
Analysis Batch: 591772

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	11.3	J3	mg/L		113	90 - 110	1	15

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 400-225574-E-1 MS
Matrix: Water
Analysis Batch: 591772

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	2.8	U J3	200	234		mg/L		117	80 - 120

Lab Sample ID: 400-225574-E-1 MSD
Matrix: Water
Analysis Batch: 591772

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	2.8	U J3	200	234		mg/L		117	80 - 120	0	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/07/22 15:11	09/13/22 17:53	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/07/22 15:11	09/13/22 17:53	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/07/22 15:11	09/13/22 17:53	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/07/22 15:11	09/13/22 17:53	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/07/22 15:11	09/13/22 17:53	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/07/22 15:11	09/13/22 17:53	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/07/22 15:11	09/13/22 17:53	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/07/22 15:11	09/13/22 17:53	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/07/22 15:11	09/13/22 17:53	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/07/22 15:11	09/13/22 17:53	5

Lab Sample ID: MB 400-591676/1-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/07/22 15:11	09/14/22 17:54	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/07/22 15:11	09/14/22 17:54	5
Calcium	0.13	U	0.25	0.13	mg/L		09/07/22 15:11	09/14/22 17:54	5

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0530		mg/L		106	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Beryllium	0.0500	0.0511		mg/L		102	80 - 120
Boron	0.100	0.0957		mg/L		96	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Cobalt	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0518		mg/L		104	80 - 120
Lithium	0.0500	0.0520		mg/L		104	80 - 120

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592429

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	0.0500	0.0518		mg/L		104	80 - 120
Selenium	0.0500	0.0516		mg/L		103	80 - 120
Thallium	0.0100	0.0103		mg/L		103	80 - 120

Lab Sample ID: LCS 400-591676/2-A ^5
Matrix: Water
Analysis Batch: 592624

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0511		mg/L		102	80 - 120
Calcium	5.00	5.52		mg/L		110	80 - 120

Lab Sample ID: 400-225434-1 MS
Matrix: Water
Analysis Batch: 592429

Client Sample ID: MWI-12A
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0015	U	0.0500	0.0524		mg/L		105	75 - 125
Barium	0.054		0.0500	0.103		mg/L		99	75 - 125
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102	75 - 125
Chromium	0.0010	U	0.0500	0.0552		mg/L		110	75 - 125
Cobalt	0.00056	U	0.0500	0.0503		mg/L		101	75 - 125
Lead	0.00081	U	0.0500	0.0500		mg/L		100	75 - 125
Lithium	0.0049	U	0.0500	0.0550		mg/L		110	75 - 125
Molybdenum	0.018		0.0500	0.0677		mg/L		100	75 - 125
Selenium	0.00082	U	0.0500	0.0383		mg/L		77	75 - 125
Thallium	0.00046	U	0.0100	0.00993		mg/L		99	75 - 125

Lab Sample ID: 400-225434-1 MS
Matrix: Water
Analysis Batch: 592624

Client Sample ID: MWI-12A
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.030	U	0.0500	0.0305	I J3	mg/L		61	75 - 125
Arsenic	0.024	U	0.0500	0.0545		mg/L		109	75 - 125
Barium	0.043	I	0.0500	0.102		mg/L		119	75 - 125
Beryllium	0.018	U	0.0500	0.0479	I	mg/L		96	75 - 125
Boron	7.4		0.100	8.04	J3	mg/L		616	75 - 125
Cadmium	0.013	U	0.0500	0.0460	I	mg/L		92	75 - 125
Calcium	90		5.00	94.0	J3	mg/L		71	75 - 125
Chromium	0.020	U	0.0500	0.0577		mg/L		115	75 - 125
Cobalt	0.011	U	0.0500	0.0514		mg/L		103	75 - 125
Lead	0.016	U	0.0500	0.0504		mg/L		101	75 - 125
Molybdenum	0.026	U	0.0500	0.0642	I J3	mg/L		128	75 - 125
Thallium	0.0092	U	0.0100	0.00960	I	mg/L		96	75 - 125

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: 400-225434-1 MSD
Matrix: Water
Analysis Batch: 592429

Client Sample ID: MWI-12A
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.0015	U	0.0500	0.0520		mg/L		104	75 - 125	1	20
Barium	0.054		0.0500	0.106		mg/L		104	75 - 125	2	20
Beryllium	0.00092	U	0.0500	0.0508		mg/L		102	75 - 125	0	20
Chromium	0.0010	U	0.0500	0.0540		mg/L		108	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	1	20
Lead	0.00081	U	0.0500	0.0516		mg/L		103	75 - 125	3	20
Lithium	0.0049	U	0.0500	0.0497		mg/L		99	75 - 125	10	20
Molybdenum	0.018		0.0500	0.0659		mg/L		96	75 - 125	3	20
Selenium	0.00082	U	0.0500	0.0360	J3	mg/L		72	75 - 125	6	20
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125	4	20

Lab Sample ID: 400-225434-1 MSD
Matrix: Water
Analysis Batch: 592624

Client Sample ID: MWI-12A
Prep Type: Total Recoverable
Prep Batch: 591676

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.030	U	0.0500	0.0314	I J3	mg/L		63	75 - 125	3	20
Arsenic	0.024	U	0.0500	0.0475		mg/L		95	75 - 125	14	20
Barium	0.043	I	0.0500	0.0903		mg/L		95	75 - 125	12	20
Beryllium	0.018	U	0.0500	0.0490	I	mg/L		98	75 - 125	2	20
Boron	7.4		0.100	8.24	J3	mg/L		815	75 - 125	2	20
Cadmium	0.013	U	0.0500	0.0486	I	mg/L		97	75 - 125	5	20
Calcium	90		5.00	95.3		mg/L		99	75 - 125	1	20
Chromium	0.020	U	0.0500	0.0550		mg/L		110	75 - 125	5	20
Cobalt	0.011	U	0.0500	0.0515		mg/L		103	75 - 125	0	20
Lead	0.016	U	0.0500	0.0500		mg/L		100	75 - 125	1	20
Molybdenum	0.026	U	0.0500	0.0690	I J3	mg/L		138	75 - 125	7	20
Thallium	0.0092	U	0.0100	0.0102		mg/L		102	75 - 125	6	20

Lab Sample ID: MB 400-591783/1-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/08/22 11:41	09/15/22 14:07	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/15/22 14:07	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/08/22 11:41	09/15/22 14:07	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/15/22 14:07	5
Boron	0.0012	U	0.050	0.0012	mg/L		09/08/22 11:41	09/15/22 14:07	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/15/22 14:07	5
Calcium	0.13	U	0.25	0.13	mg/L		09/08/22 11:41	09/15/22 14:07	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/08/22 11:41	09/15/22 14:07	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/15/22 14:07	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/15/22 14:07	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/15/22 14:07	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/15/22 14:07	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/15/22 14:07	5

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: MB 400-591783/1-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0015	U	0.0025	0.0015	mg/L		09/08/22 11:41	09/16/22 23:16	5
Arsenic	0.0012	U	0.0013	0.0012	mg/L		09/08/22 11:41	09/16/22 23:16	5
Barium	0.00070	U	0.0025	0.00070	mg/L		09/08/22 11:41	09/16/22 23:16	5
Beryllium	0.00092	U	0.0025	0.00092	mg/L		09/08/22 11:41	09/16/22 23:16	5
Cadmium	0.00065	U	0.0025	0.00065	mg/L		09/08/22 11:41	09/16/22 23:16	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		09/08/22 11:41	09/16/22 23:16	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		09/08/22 11:41	09/16/22 23:16	5
Lead	0.00081	U	0.0013	0.00081	mg/L		09/08/22 11:41	09/16/22 23:16	5
Lithium	0.0049	U	0.0050	0.0049	mg/L		09/08/22 11:41	09/16/22 23:16	5
Molybdenum	0.0013	U	0.015	0.0013	mg/L		09/08/22 11:41	09/16/22 23:16	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		09/08/22 11:41	09/16/22 23:16	5
Thallium	0.00046	U	0.00050	0.00046	mg/L		09/08/22 11:41	09/16/22 23:16	5

Lab Sample ID: LCS 400-591783/2-A ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0505		mg/L		101	80 - 120
Barium	0.0500	0.0500		mg/L		100	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	5.00	5.12		mg/L		102	80 - 120
Chromium	0.0500	0.0524		mg/L		105	80 - 120
Cobalt	0.0500	0.0512		mg/L		102	80 - 120
Lead	0.0500	0.0507		mg/L		101	80 - 120
Molybdenum	0.0500	0.0501		mg/L		100	80 - 120
Selenium	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.0100	0.0102		mg/L		102	80 - 120

Lab Sample ID: LCS 400-591783/2-A ^5
Matrix: Water
Analysis Batch: 592944

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0516		mg/L		103	80 - 120
Barium	0.0500	0.0517		mg/L		103	80 - 120
Beryllium	0.0500	0.0505		mg/L		101	80 - 120
Cadmium	0.0500	0.0533		mg/L		107	80 - 120
Chromium	0.0500	0.0531		mg/L		106	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Lead	0.0500	0.0498		mg/L		100	80 - 120
Lithium	0.0500	0.0502		mg/L		100	80 - 120
Molybdenum	0.0500	0.0516		mg/L		103	80 - 120
Selenium	0.0500	0.0581		mg/L		116	80 - 120
Thallium	0.0100	0.0102		mg/L		102	80 - 120

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: 400-225433-C-1-C MS ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Antimony	0.0015	U	0.0500	0.0538		mg/L		108	75 - 125	
Arsenic	0.0012	U	0.0500	0.0523		mg/L		105	75 - 125	
Barium	0.065		0.0500	0.119		mg/L		108	75 - 125	
Beryllium	0.00098	I	0.0500	0.0508		mg/L		100	75 - 125	
Cadmium	0.00065	U	0.0500	0.0521		mg/L		104	75 - 125	
Calcium	230		5.00	231		mg/L		78	75 - 125	
Chromium	0.0019	I	0.0500	0.0525		mg/L		101	75 - 125	
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	
Lead	0.00081	U	0.0500	0.0506		mg/L		101	75 - 125	
Molybdenum	0.0013	U	0.0500	0.0538		mg/L		108	75 - 125	
Selenium	0.00082	U	0.0500	0.0499		mg/L		100	75 - 125	
Thallium	0.00046	U	0.0100	0.0102		mg/L		102	75 - 125	

Lab Sample ID: 400-225433-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 592756

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 591783

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits		
Antimony	0.0015	U	0.0500	0.0549		mg/L		110	75 - 125	2	20	
Arsenic	0.0012	U	0.0500	0.0519		mg/L		104	75 - 125	1	20	
Barium	0.065		0.0500	0.118		mg/L		106	75 - 125	1	20	
Beryllium	0.00098	I	0.0500	0.0499		mg/L		98	75 - 125	2	20	
Cadmium	0.00065	U	0.0500	0.0513		mg/L		103	75 - 125	2	20	
Calcium	230		5.00	234	J3	mg/L		140	75 - 125	1	20	
Chromium	0.0019	I	0.0500	0.0522		mg/L		101	75 - 125	0	20	
Cobalt	0.00056	U	0.0500	0.0498		mg/L		100	75 - 125	0	20	
Lead	0.00081	U	0.0500	0.0506		mg/L		101	75 - 125	0	20	
Molybdenum	0.0013	U	0.0500	0.0515		mg/L		103	75 - 125	4	20	
Selenium	0.00082	U	0.0500	0.0475		mg/L		95	75 - 125	5	20	
Thallium	0.00046	U	0.0100	0.0103		mg/L		103	75 - 125	0	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-592939/14-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592939

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.00015	U	0.00020	0.00015	mg/L		09/19/22 08:00	09/21/22 13:04	1

Lab Sample ID: LCS 400-592939/15-A
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	Limits
Mercury	0.00101	0.00112		mg/L		111	80 - 120	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: 400-225342-A-11-E MS
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 592939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00199		mg/L		99	80 - 120

Lab Sample ID: 400-225342-A-11-F MSD
Matrix: Water
Analysis Batch: 593446

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 592939

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	0.00218		mg/L		108	80 - 120	9	20

Lab Sample ID: MB 400-594695/14-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594695

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		10/02/22 11:52	10/03/22 11:37	1

Lab Sample ID: LCS 400-594695/15-A
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.00102		mg/L		101	80 - 120

Lab Sample ID: 400-225708-H-3-C MS
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 594695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00015	U	0.00201	0.00198		mg/L		98	80 - 120

Lab Sample ID: 400-225708-H-3-D MSD
Matrix: Water
Analysis Batch: 594812

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 594695

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	0.00201		mg/L		100	80 - 120	2	20

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

Lab Sample ID: MB 400-591502/1
Matrix: Water
Analysis Batch: 591502

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			09/06/22 14:01	1

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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

Lab Sample ID: LCS 400-591502/2
Matrix: Water
Analysis Batch: 591502

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: 400-225433-B-7 DU
Matrix: Water
Analysis Batch: 591502

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	660		688		mg/L		4	5

Lab Sample ID: MB 400-592212/1
Matrix: Water
Analysis Batch: 592212

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			09/12/22 14:47	1

Lab Sample ID: LCS 400-592212/2
Matrix: Water
Analysis Batch: 592212

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	278		mg/L		95	78 - 122

Lab Sample ID: 400-225433-B-14 DU
Matrix: Water
Analysis Batch: 592212

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	43000	L	42900	L	mg/L		0.2	5

Method: SM 4500 CI- E - Chloride, Total

Lab Sample ID: MB 400-592118/13
Matrix: Water
Analysis Batch: 592118

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			09/11/22 22:59	1

Lab Sample ID: LCS 400-592118/14
Matrix: Water
Analysis Batch: 592118

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	48.3		mg/L		97	90 - 110

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MRL 400-592118/15
Matrix: Water
Analysis Batch: 592118

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	1.56	I	mg/L		78	50 - 150

Lab Sample ID: 400-225660-A-2 MS
Matrix: Water
Analysis Batch: 592118

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	2.9		10.0	11.9		mg/L		90	73 - 120

Lab Sample ID: 400-225660-A-2 MSD
Matrix: Water
Analysis Batch: 592118

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	2.9		10.0	12.1		mg/L		92	73 - 120	2	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-592115/12
Matrix: Water
Analysis Batch: 592115

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			09/11/22 19:52	1

Lab Sample ID: LCS 400-592115/13
Matrix: Water
Analysis Batch: 592115

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	14.6		mg/L		98	90 - 110

Lab Sample ID: MRL 400-592115/14
Matrix: Water
Analysis Batch: 592115

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	4.25	I	mg/L		85	50 - 150

Lab Sample ID: 400-225434-1 MS
Matrix: Water
Analysis Batch: 592115

Client Sample ID: MWI-12A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	170		50.0	184	J3	mg/L		21	77 - 128

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-225434-1 MSD
Matrix: Water
Analysis Batch: 592115

Client Sample ID: MWI-12A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	170		50.0	180	J3	mg/L		13	77 - 128	2	5

Lab Sample ID: MB 400-592119/12
Matrix: Water
Analysis Batch: 592119

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			09/11/22 23:25	1

Lab Sample ID: LCS 400-592119/13
Matrix: Water
Analysis Batch: 592119

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 400-592119/14
Matrix: Water
Analysis Batch: 592119

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	4.40	I	mg/L		88	50 - 150

Lab Sample ID: 400-225667-A-9 MS
Matrix: Water
Analysis Batch: 592119

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	8.86		mg/L		89	77 - 128

Lab Sample ID: 400-225667-A-9 MSD
Matrix: Water
Analysis Batch: 592119

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	9.20		mg/L		92	77 - 128	4	5

Chain of Custody Record

Client Information		Sampler: <i>David Braddock</i>		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s): 400-110436-31203.1	
Client Contact: Barry Evans		Phone: 850-336-0192		E-Mail: Cheyenne.Whitmire@et.eurofins.com		Page: Page 1 of 1	
Company: Florida Power and Light		PWSID:		State of Origin:		Job #:	
Address: BIN 731 One Energy Place		Due Date Requested:		Analysis Requested		Preservation Codes:	
City: Pensacola		TAT Requested (days):		Field Sampling - Field Sampling Parameters		M - Hexane	
State, Zip: FL, 32520		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		SM4500_Cl.E - Chloride		N - None	
Phone: 850-444-6427 (Tel)		PO #: 2000403482		6020, 7470A		O - AsNaO2	
Email: Barry.Evans@nexteraenergy.com		WO #: 30000004117		2540C - Total Dissolved Solids		P - Na2OAS	
Project Name: CCR Smith Plant Delineation Sampling Event Desc: CCR Smith		Project #: 400006609		4500_F.C - Fluoride		Q - Na2SO3	
Site: Florida		SSOW#:		SM4500_SO4.E - Sulfate		R - Na2SO3	
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc		S - H2SO4	
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		T - TSP Dodecahydrate	
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		U - Acetone	
				SM4500_Cl.E - Chloride		V - MCAA	
				Field Sampling - Field Sampling Parameters		W - pH 4-5	
				6020, 7470A		Y - Trizma	
				2540C - Total Dissolved Solids		Z - other (specify)	
				4500_F.C - Fluoride		Other:	
				SM4500_SO4.E - Sulfate		Total Number of Containers: <input checked="" type="checkbox"/>	
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc		Special Instructions/Note:	
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500_F.C - Fluoride			
				SM4500_SO4.E - Sulfate			
				9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc			
				Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>			
				Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>			
				Field Sampling - Field Sampling Parameters			
				6020, 7470A			
				2540C - Total Dissolved Solids			
				4500			

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225434-1
SDG Number: Delineation Sampling Event

Login Number: 225434
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	4.4°C IR8, 0.0°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	COC has FF metals, but only 1 metals bottle received for total.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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 Smith Plant

Job ID: 400-225434-1
SDG: Delineation Sampling Event

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	10-09-23
Kansas	NELAP	E-10253	10-31-23
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

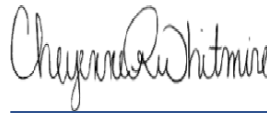
Eurofins Pensacola

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 TestAmerica 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



Authorized for release by
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Generated
11/15/2022 8:41:57 PM
Revision 1

ANALYTICAL REPORT

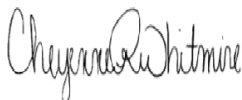
Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-225434-2

Laboratory Sample Delivery Group: Delineation Sampling Event
Client Project/Site: CCR Smith Plant

For:
Florida Power and Light
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Barry Evans



Authorized for release by:
10/6/2022 9:54:39 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	8
Chronicle	9
QC Association	10
QC Sample Results	11
Chain of Custody	15
Receipt Checklists	17
Certification Summary	20

Case Narrative

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Job ID: 400-225434-2

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-225434-2

Receipt

The samples were received on 9/3/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0° C and 4.4° C.

RAD

Method 9315: Radium-226 batch 581325. 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. MWI-12A (400-225434-1), (LCS 160-581325/2-A), (LCSD 160-581325/3-A) and (MB 160-581325/1-A)

Method 9315: Radium-226 batch 581819. 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-14 (400-225434-2), (LCS 160-581819/2-A), (MB 160-581819/1-A), (680-220814-A-4-A), (680-220814-A-4-G MS) and (680-220814-A-4-H MSD)

Method 9320: Radium 228 Batch 160-581384. 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. MWI-12A (400-225434-1), (LCS 160-581384/2-A), (LCSD 160-581384/3-A) and (MB 160-581384/1-A)

Method 9320: Radium-228 batch 581875. 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-14 (400-225434-2), (LCS 160-581875/2-A), (MB 160-581875/1-A), (680-220814-A-4-E), (680-220814-A-4-F MS) and (680-220814-B-4-C MSD)

Methods PrecSep-21, PrecSep_0: The following samples in 160-581325 and 160-581384 were prepared at a reduced aliquot due to matrix: MWI-12A (400-225434-1).

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 Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

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 Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-225434-1	MWI-12A	Water	09/02/22 09:03	09/03/22 10:30
400-225434-2	PZ-14	Water	09/06/22 12:40	09/07/22 10:23

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

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Client Sample ID: MWI-12A

Lab Sample ID: 400-225434-1

Date Collected: 09/02/22 09:03

Matrix: Water

Date Received: 09/03/22 10:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.59		0.562	0.885	1.00	0.173	pCi/L	09/08/22 18:47	09/30/22 14:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		40 - 110					09/08/22 18:47	09/30/22 14:04	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.17		0.531	0.542	1.00	0.723	pCi/L	09/08/22 19:08	09/23/22 11:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		40 - 110					09/08/22 19:08	09/23/22 11:12	1
Y Carrier	80.7		40 - 110					09/08/22 19:08	09/23/22 11:12	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	8.76		0.773	1.04	5.00	0.723	pCi/L		10/04/22 20:26	1

Client Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Client Sample ID: PZ-14
Date Collected: 09/06/22 12:40
Date Received: 09/07/22 10:23

Lab Sample ID: 400-225434-2
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	11.6		1.15	1.55	1.00	0.345	pCi/L	09/12/22 13:14	10/04/22 18:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					09/12/22 13:14	10/04/22 18:28	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	11.9		1.14	1.58	1.00	0.575	pCi/L	09/13/22 07:15	10/04/22 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					09/13/22 07:15	10/04/22 12:44	1
Y Carrier	87.1		40 - 110					09/13/22 07:15	10/04/22 12:44	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	23.5		1.62	2.21	5.00	0.575	pCi/L		10/05/22 13:44	1

Definitions/Glossary

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Client Sample ID: MWI-12A

Lab Sample ID: 400-225434-1

Date Collected: 09/02/22 09:03

Matrix: Water

Date Received: 09/03/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581325	BMP	EET SL	09/08/22 18:47
Total/NA	Analysis	9315		1	584224	FLC	EET SL	09/30/22 14:04
Total/NA	Prep	PrecSep_0			581384	BMP	EET SL	09/08/22 19:08
Total/NA	Analysis	9320		1	583225	FLC	EET SL	09/23/22 11:12
Total/NA	Analysis	Ra226_Ra228		1	584615	CLP	EET SL	10/04/22 20:26

Client Sample ID: PZ-14

Lab Sample ID: 400-225434-2

Date Collected: 09/06/22 12:40

Matrix: Water

Date Received: 09/07/22 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			581819	BMP	EET SL	09/12/22 13:14
Total/NA	Analysis	9315		1	584571	CLP	EET SL	10/04/22 18:28
Total/NA	Prep	PrecSep_0			581875	BMP	EET SL	09/13/22 07:15
Total/NA	Analysis	9320		1	584568	FLC	EET SL	10/04/22 12:44
Total/NA	Analysis	Ra226_Ra228		1	584739	CAH	EET SL	10/05/22 13:44

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 Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Rad

Prep Batch: 581325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	PrecSep-21	
MB 160-581325/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-581325/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-581325/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 581384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-1	MWI-12A	Total/NA	Water	PrecSep_0	
MB 160-581384/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-581384/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-581384/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 581819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	PrecSep-21	
MB 160-581819/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-581819/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-220814-A-4-G MS	Matrix Spike	Total/NA	Water	PrecSep-21	
680-220814-A-4-H MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 581875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-225434-2	PZ-14	Total/NA	Water	PrecSep_0	
MB 160-581875/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-581875/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-220814-A-4-F MS	Matrix Spike	Total/NA	Water	PrecSep_0	
680-220814-B-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-581325/1-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581325

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.02325	U	0.0525	0.0525	1.00	0.0978	pCi/L	09/08/22 18:47	09/30/22 11:11	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	92.3		40 - 110					09/08/22 18:47	09/30/22 11:11	1

Lab Sample ID: LCS 160-581325/2-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581325

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.23		1.08	1.00	0.109	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	94.3		40 - 110					09/08/22 18:47	09/30/22 11:11

Lab Sample ID: LCSD 160-581325/3-A
Matrix: Water
Analysis Batch: 584224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581325

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	10.51		1.11	1.00	0.108	pCi/L	93	75 - 125	0.13	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	95.6		40 - 110					09/08/22 18:47	09/30/22 11:11	1	

Lab Sample ID: MB 160-581819/1-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581819

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1100	U	0.163	0.163	1.00	0.279	pCi/L	09/12/22 13:14	10/04/22 17:41	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	101		40 - 110					09/12/22 13:14	10/04/22 17:41	1

Lab Sample ID: LCS 160-581819/2-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	8.921		1.19	1.00	0.296	pCi/L	79	75 - 125

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

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

Lab Sample ID: LCS 160-581819/2-A
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581819

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		40 - 110

Lab Sample ID: 680-220814-A-4-G MS
Matrix: Water
Analysis Batch: 584571

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
												RER	Limit
Radium-226	1.32		11.4	10.46		1.37	1.00	0.373	pCi/L	80	60 - 140		

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	102		40 - 110

Lab Sample ID: 680-220814-A-4-H MSD
Matrix: Water
Analysis Batch: 584571

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 581819

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
Radium-226	1.32		11.4	10.58		1.36	1.00	0.362	pCi/L	81	60 - 140	0.05	1

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-581384/1-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581384

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Prepared	Analyzed	Prepared	Analyzed	
Radium-228	0.1785	U	0.329	0.330	1.00	0.566	pCi/L	09/08/22 19:08	09/23/22 11:06	09/23/22 11:06		1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		40 - 110	09/08/22 19:08	09/23/22 11:06	1
Y Carrier	80.7		40 - 110	09/08/22 19:08	09/23/22 11:06	1

Lab Sample ID: LCS 160-581384/2-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581384

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
										RER	Limit
Radium-228	8.25	9.648		1.29	1.00	0.505	pCi/L	117	75 - 125		

Eurofins Pensacola

QC Sample Results

Client: Florida Power and Light
Project/Site: CCR Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

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

Lab Sample ID: LCS 160-581384/2-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581384

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	94.3		40 - 110
Y Carrier	81.1		40 - 110

Lab Sample ID: LCSD 160-581384/3-A
Matrix: Water
Analysis Batch: 583224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 581384

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	Limit		
Radium-228	8.25	9.599		1.29	1.00	0.513	pCi/L	116	75 - 125	0.02		1

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	95.6		40 - 110
Y Carrier	80.7		40 - 110

Lab Sample ID: MB 160-581875/1-A
Matrix: Water
Analysis Batch: 584569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581875

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Time	Time	Time	Time	
Radium-228	0.1149	U	0.296	0.296	1.00	0.520	pCi/L	09/13/22 07:15	10/04/22 12:40			1

Carrier	MB		Limits	Prepared		Analyzed		Dil Fac
	%Yield	Qualifier		Time	Time	Time	Time	
Ba Carrier	101		40 - 110	09/13/22 07:15	10/04/22 12:40			1
Y Carrier	87.1		40 - 110	09/13/22 07:15	10/04/22 12:40			1

Lab Sample ID: LCS 160-581875/2-A
Matrix: Water
Analysis Batch: 584569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581875

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec	
									Limits	Limit
Radium-228	8.22	7.437		1.07	1.00	0.525	pCi/L	90	75 - 125	

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	99.0		40 - 110
Y Carrier	85.2		40 - 110

Lab Sample ID: 680-220814-A-4-F MS
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581875

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec	
											Limits	Limit
Radium-228	1.71		8.28	10.44		1.33	1.00	0.456	pCi/L	106	60 - 140	

QC Sample Results

Client: Florida Power and Light
 Project/Site: CCR Smith Plant

Job ID: 400-225434-2
 SDG: Delineation Sampling Event

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

Lab Sample ID: 680-220814-A-4-F MS
Matrix: Water
Analysis Batch: 584568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 581875

	<i>MS</i>	<i>MS</i>	
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>
Ba Carrier	102		40 - 110
Y Carrier	87.5		40 - 110

Lab Sample ID: 680-220814-B-4-C MSD
Matrix: Water
Analysis Batch: 584568

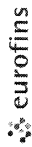
Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 581875

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qual</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qual</i>	<i>Total Uncert. (2σ+/-)</i>	<i>RL</i>	<i>MDC</i>	<i>Unit</i>	<i>%Rec</i>	<i>%Rec</i>		<i>RER</i>	<i>RER Limit</i>
											<i>Limits</i>	<i>RER</i>		
Radium-228	1.71		8.30	10.86		1.38	1.00	0.440	pCi/L	110	60 - 140	0.15	1	

	<i>MSD</i>	<i>MSD</i>	
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>
Ba Carrier	99.0		40 - 110
Y Carrier	87.9		40 - 110

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


Chain of Custody Record



Empire North Test Lab
AP Office

Client Information		Sampler: <i>Nick Heger</i>		Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s): 400-113782-31203-1
Client Contact: Barry Evans		Phone: <i>850-336-0192</i>		E-Mail: Cheyenne.Whitmire@et.eurofins.com	State of Origin: Page 1 of 1
Company: Florida Power and Light		PWSID:		Job #:	
Address: BIN 731 One Energy Place		City: Pensacola		State: FL, 32520	
Phone: 850-444-6427(Tel)		PO #: 2000403482		Project #: 3000004117	
Email: Barry.Evans@nexteraenergy.com		Project Name: CCR Smith Plant Delineation Sampling		Event Desc: CCR Smith	
Site: Florida		SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soild, On-waste/soil, IBI=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Field Sampling - Field Sampling Parameters		2540C - Total Dissolved Solids		4500_F_C - Fluoride		SM4500_CL_E - Chloride		SM4500_SO4_F - Sulfate		Total Number of Containers	Special Instructions/Note:
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		
MWI-12A	9-2-22	0903	G	Water		X		X		X		X		X		X		X		3	
PZ-11 <i>ADH 9-3-22</i>				Water																	
MW-11 HORIZONTAL ADH 9-3-22				Water																	
MW-13 HORIZONTAL ADH 9-3-22				Water																	
				Water																	
				Water																	
				Water																	



400-225434 COC

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>Barry Evans</i>		Date: 9-3-22	
Relinquished by: <i>Barry Evans</i>		Date: 0915	
Relinquished by: <i>Barry Evans</i>		Date: 1030	

Relinquished by: <i>Barry Evans</i> Company: <i>ADH ENV.</i>	Received by: <i>Kingston Hagendorf</i> Company: <i>ROHEW</i>
Relinquished by: <i>Barry Evans</i> Company: <i>ROHEW</i>	Received by: <i>Barry Evans</i> Company: <i>ROHEW</i>
Relinquished by: <i>Barry Evans</i> Company: <i>ROHEW</i>	Received by: <i>Barry Evans</i> Company: <i>ROHEW</i>

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Cooler Temperature(s) °C and Other Remarks: <i>4.4°C ZRB</i>
--	--



Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225434-2
SDG Number: Delineation Sampling Event

Login Number: 225434
List Number: 1
Creator: Perez, Trina M

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	4.4°C IR8, 0.0°C IR-9
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: 400-225434-2
SDG Number: Delineation Sampling Event

Login Number: 225434

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/07/22 10:29 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	False	Seal on cooler 2 was broken but samples dont seem to be tampered with.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Florida Power and Light

Job Number: 400-225434-2
SDG Number: Delineation Sampling Event

Login Number: 225434

List Number: 3

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/09/22 12:24 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 Smith Plant

Job ID: 400-225434-2
SDG: Delineation Sampling Event

Laboratory: Eurofins St. Louis

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

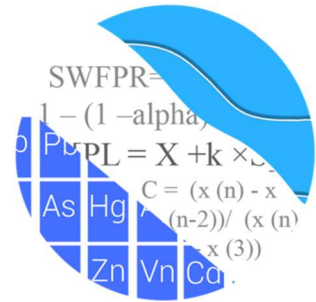
Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-22 *
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-23
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22 *
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-23
Washington	State	C592	08-30-23
West Virginia DEP	State	381	10-31-22

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

APPENDIX B

Statistical Analyses – April 2022
Semi-Annual Monitoring

GROUNDWATER STATS CONSULTING



January 17, 2023

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Plant Smith – April 2022 Statistical 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 April 2022 sample event at Florida Light & Power's Plant Smith. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Plant Smith for the CCR program in 2016 at each of the groundwater monitoring wells. The current monitoring well network, as provided by Geosyntec Consultants, consists of the following:

- **Upgradient wells:** MW-2, MW-3, MW-12
- **Downgradient wells:** MW-6 and MW-7

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

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

- **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 and box plots are provided for the above Appendix III and IV constituents at all wells (Figures A and B, respectively). 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. While all Appendix IV constituents are plotted on the time series graphs and box plots, confidence intervals are provided only for downgradient well/constituent pairs which have at least one detection. A list of Appendix IV downgradient well/constituent pairs with 100% non-detects which do not require statistical analyses follows this letter.

Proposed background data at all wells were initially evaluated, and reports submitted, during the October 2017 screening for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended.

Summary of Statistical Methods – Detection Monitoring Appendix III Constituents:

Based on the earlier evaluation described above, the following methods were selected:

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

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.

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

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 interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. 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 some cases, earlier data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the deselected data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. A summary of the findings of the original background screening conducted in October 2017 as well as the background update conducted in October 2019 is provided below.

Historical Summary Background Screening – October 2017

Outlier Analysis

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

No suspected outliers were observed in any of the data sets, with the exception of a high value of 4200 mg/L for TDS in upgradient well MW-12 which was flagged as an outlier in the database. Any values identified as outliers are plotted in a lighter font on the time series graph. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

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 sets. 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 may 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 were provided with the 2017 screening report. No statistically significant increasing or decreasing trends were identified for any of the wells in the current monitoring well network; therefore, no adjustments were necessary for any of the records.

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 wells at Plant Smith for the following Appendix III parameters: boron, calcium, chloride, pH, and TDS, suggesting consideration of intrawell methods for these parameters. These constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality, but only pH was eligible for intrawell testing. No statistically significant variation was noted for fluoride or sulfate, making these parameters eligible for interwell methods. A summary table of the ANOVA results was included with the screening report.

Based on the above screening, intrawell methods were recommended for pH, and interwell methods were recommended for boron, calcium, chloride, fluoride, sulfate, and TDS. 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 concentrations upgradient 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 will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

Summary of Appendix III Background Update – Conducted in October 2019

Historical data were evaluated for updating with newer data through March 2019 through the use of time series graphs to identify potential outliers, when necessary, as well as with the Mann Whitney test for equality of medians. Intrawell prediction limits are used to evaluate pH due to natural spatial variation for this parameter.

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. Data from upgradient wells are periodically re-screened for newly developing trends, which may require adjustment of the

background period to eliminate the trend, as well as for outliers over the entire record. Interwell prediction limits are used to evaluate boron, calcium, chloride, fluoride, sulfate, and TDS.

Outlier Analysis

Prior to constructing prediction limits, proposed background data through May 2019 were reviewed to identify any newly suspected outliers at all wells for pH, which is evaluated with intrawell prediction limits, and through March 2019 for Appendix IV parameters, which are evaluated using confidence intervals. Background data for upgradient wells were reviewed through time series graphs for boron, calcium, chloride, fluoride, sulfate, and TDS, which are evaluated using interwell prediction limits. No new outliers were identified for pH in any of the wells or for all other Appendix III parameters in upgradient wells. No changes were made to all previously flagged data for Appendix IV constituents. 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 summary of flagged values was submitted with the report (Figure C).

Mann-Whitney Evaluation

For pH, which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2017 to newer compliance samples through March 2019 at each of the wells to evaluate whether the groups are statistically different at the 99% confidence level. When the test concludes that the medians of the two groups are statistically different, background data sets are typically not updated with newer data unless it can be reasonably justified that the newer data are representative of naturally changing groundwater quality rather than a result of practices at the facility. No statistically significant differences were found among any of the wells for pH; therefore, all background data sets were updated. All data sets will be re-evaluated during the next background update.

Trend Tests

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. No statistically significant increasing trends were noted in upgradient wells with the exception

of fluoride in MW-12; however, the magnitude of the trend was moderate relative to average concentrations, and truncation of the background would not affect the nonparametric prediction limit. Therefore, no adjustment of the record was required.

Evaluation of Appendix III Parameters – April 2022 Sample Event

Prediction Limits

All available historical data through March 2019 for pH at each well was used to construct intrawell prediction limits based on a 1-of-2 resample plan. The April 2022 sample from each well was then compared to its respective background limit.

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data from upgradient wells through April 2022 for boron, calcium, chloride, fluoride, sulfate, and TDS. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. Background (upgradient) well data for constituents using interwell statistical limits were re-assessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. The September 2021 concentration for calcium at upgradient well MW-12 was flagged as an outlier during the previous analysis in order to maintain statistical limits that are conservative from a regulatory perspective. No new outliers were flagged during this analysis for Appendix III parameters. A summary of any flagged outliers follows this report (Figure C).

Summaries of both intrawell and interwell prediction limits and exceedances, along with complete results may be found following this letter in the Prediction Limits section (Figures D and E, respectively). For intrawell prediction limits, one exceedance was identified for the upper limit of pH at well MW-7. For interwell prediction limits, exceedances were noted for boron, calcium, chloride, sulfate, and TDS in both downgradient wells.

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.

Trend Tests

The Sen's Slope/Mann Kendall trend test was used to determine whether a statistically significant trend exists over the entire period of record for the interwell exceedances noted above (Figure F). Upgradient wells are included in the trend testing to determine whether similar patterns exist upgradient of the facility. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend tests follows this report and statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Boron: MW-7
- Calcium: MW-3 (upgradient)
- Chloride: MW-3 (upgradient)

Decreasing:

- Calcium: MW-6
- Chloride: MW-6
- Sulfate: MW-6
- TDS: MW-6

Evaluation of Appendix IV Parameters – April 2022 Sample Event

For Appendix IV parameters, data from upgradient wells are reassessed for outliers during each analysis prior to constructing statistical limits. The September 2021 reported concentrations for cadmium, cobalt, lithium, selenium, and thallium at upgradient well MW-12 were flagged as outliers during the previous analysis in order to maintain statistical limits that are conservative from a regulatory perspective. During this analysis, high reporting limits of 0.05 mg/L, 0.1 mg/L, and 0.01 mg/L from the most recent (April 2022) sample event for chromium, lithium, and thallium in downgradient wells MW-6 and MW-7 were flagged. A complete list of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell parametric or nonparametric tolerance limits, depending on the distribution of the background data, were used to calculate background limits from pooled upgradient well data through April 2022 for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits, to determine the background limits (Figure G).

The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

These 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 Standard (GWPS) in the Confidence Interval comparisons (Figure H).

Confidence Intervals

Confidence intervals were constructed using data through April 2022 at downgradient wells for each well/constituent pair with detections for the Appendix IV constituents and then compared to GWPS as discussed above (Figure I). A list of Appendix IV downgradient well/constituent pairs with 100% non-detects follows this letter. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Exceedances were noted for combined radium 226 + 228 in both downgradient wells. No other confidence interval exceedances were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Smith. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Easton Rayner
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects

Analysis Run 1/13/2023 1:30 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Antimony (mg/L)
MW-6, MW-7

Cadmium (mg/L)
MW-6, MW-7

Cobalt (mg/L)
MW-6

Lead (mg/L)
MW-6, MW-7

Mercury (mg/L)
MW-6, MW-7

Thallium (mg/L)
MW-6, MW-7

Interwell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	4/14/2022	7.2	Yes	60	n/a	n/a		45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	4/14/2022	2.6	Yes	60	n/a	n/a		45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	4/14/2022	220	Yes	59	n/a	n/a		0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	4/14/2022	340	Yes	59	n/a	n/a		0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	4/14/2022	2700	Yes	60	n/a	n/a		0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	4/14/2022	2900	Yes	60	n/a	n/a		0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	18	n/a	4/14/2022	370	Yes	59	n/a	n/a		57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	18	n/a	4/14/2022	520	Yes	59	n/a	n/a		57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	4/14/2022	4800	Yes	59	n/a	n/a		0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	4/14/2022	5100	Yes	59	n/a	n/a		0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	4/14/2022	7.2	Yes	60	n/a	n/a	n/a	45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	4/14/2022	2.6	Yes	60	n/a	n/a	n/a	45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	4/14/2022	220	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	4/14/2022	340	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	4/14/2022	2700	Yes	60	n/a	n/a	n/a	0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	4/14/2022	2900	Yes	60	n/a	n/a	n/a	0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-6	0.28	n/a	4/14/2022	0.1ND	No	60	n/a	n/a	n/a	23.33	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-7	0.28	n/a	4/14/2022	0.1ND	No	60	n/a	n/a	n/a	23.33	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	18	n/a	4/14/2022	370	Yes	59	n/a	n/a	n/a	57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	18	n/a	4/14/2022	520	Yes	59	n/a	n/a	n/a	57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	4/14/2022	4800	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	4/14/2022	5100	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2

Intrawell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:07 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Lim.Date</u>	<u>Observ.</u>	<u>Sig. Bg</u>	<u>N Bg</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
pH, Field (SU)	MW-7	6.413	5.999	4/14/2022	6.48	Yes	12	6.206	0.1061	0	None	No	0.001878	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	MW-12	6.214	5.888	4/14/2022	6.04	No	12	6.051	0.08339	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-2	7.353	5.354	4/14/2022	5.9	No	12	6.353	0.512	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-3	5.193	4.724	4/14/2022	4.85	No	12	4.958	0.1201	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-6	5.781	4.55	4/14/2022	5.52	No	12	5.166	0.3153	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-7	6.413	5.999	4/14/2022	6.48	Yes	12	6.206	0.1061	0	None	No	0.001878	Param Intra 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron, total (mg/L)	MW-7	0.1542	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.1299	111	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-34.1	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8995	126	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-208.9	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-48.13	-106	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-335	-103	-81	Yes	20	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:22 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.001354	-10	-81	No	20	10	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001044	-39	-81	No	20	40	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-24	-81	No	20	85	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-6	-0.2565	-69	-81	No	20	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-7	0.1542	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.3554	13	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.172	-62	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.1299	111	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-34.1	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	21.48	78	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	0	-12	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.2766	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8995	126	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-208.9	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-7	181.9	66	81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-12 (bg)	-0.002999	-6	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-2 (bg)	-0.1932	-61	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-3 (bg)	-0.02147	-46	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-7	0.02932	55	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	10	81	No	20	60	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.03604	-19	-81	No	20	25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-1	-74	No	19	89.47	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-48.13	-106	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-7	10.73	12	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	2.549	14	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-18.96	-72	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	3.085	35	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-335	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-7	260.5	51	81	No	20	0	n/a	n/a	0.01	NP

Upper Tolerance Limits

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:26 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0025	n/a	n/a	n/a	n/a 45	n/a	n/a	100	n/a	n/a	0.09944	NP Inter(NDs)
Arsenic (mg/L)	0.0014	n/a	n/a	n/a	n/a 57	n/a	n/a	94.74	n/a	n/a	0.05373	NP Inter(NDs)
Barium (mg/L)	0.02777	n/a	n/a	n/a	n/a 57	0.017	0.005312	5.263	None	No	0.05	Inter
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a 54	n/a	n/a	94.44	n/a	n/a	0.06267	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a 44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	0.012	n/a	n/a	n/a	n/a 57	n/a	n/a	47.37	n/a	n/a	0.05373	NP Inter(normality)
Cobalt (mg/L)	0.0025	n/a	n/a	n/a	n/a 50	n/a	n/a	100	n/a	n/a	0.07694	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.64	n/a	n/a	n/a	n/a 57	n/a	n/a	0	n/a	n/a	0.05373	NP Inter(normality)
Fluoride, total (mg/L)	0.28	n/a	n/a	n/a	n/a 60	n/a	n/a	23.33	n/a	n/a	0.04607	NP Inter(normality)
Lead (mg/L)	0.0013	n/a	n/a	n/a	n/a 51	n/a	n/a	96.08	n/a	n/a	0.0731	NP Inter(NDs)
Lithium (mg/L)	0.025	n/a	n/a	n/a	n/a 56	n/a	n/a	17.86	n/a	n/a	0.05656	NP Inter(normality)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a 45	n/a	n/a	97.78	n/a	n/a	0.09944	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a 57	n/a	n/a	96.49	n/a	n/a	0.05373	NP Inter(NDs)
Selenium (mg/L)	0.0013	n/a	n/a	n/a	n/a 50	n/a	n/a	94	n/a	n/a	0.07694	NP Inter(NDs)
Thallium (mg/L)	0.0005	n/a	n/a	n/a	n/a 44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)

PLANT SMITH 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		0.0014	0.01
Barium, Total (mg/L)	2		0.028	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		0.012	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		4.64	5
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0013	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

Confidence Interval Summary Table - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:36 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Combined Radium 226 + 228 (pCi/L)	MW-6	30.3	24.14	5	Yes	19	27.37	5.498	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	36.61	25.5	5	Yes	19	31.49	10.02	0	None	sqrt(x)	0.01	Param.

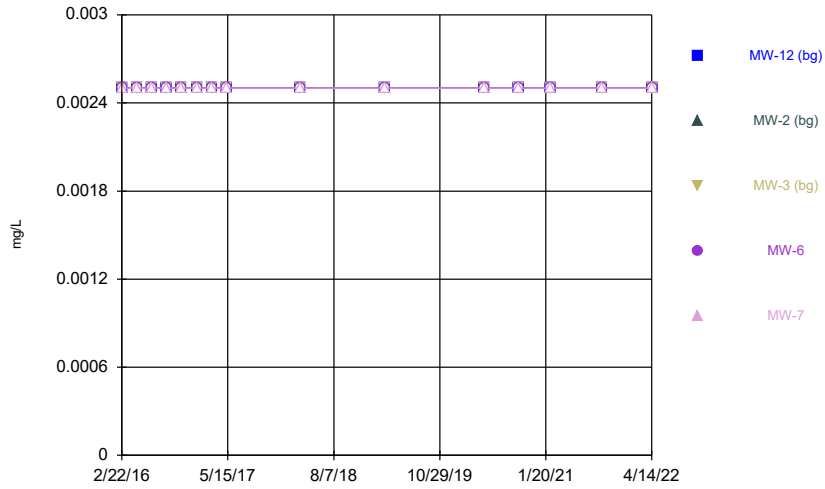
Confidence Interval Summary Table - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-6	0.001765	0.0008588	0.01	No	19	0.001465	0.0008065	26.32	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-7	0.0023	0.0012	0.01	No	19	0.001873	0.001057	26.32	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07188	0.0611	2	No	19	0.066	0.009961	5.263	None	x^2	0.01	Param.
Barium (mg/L)	MW-7	0.1115	0.06762	2	No	19	0.08958	0.0375	5.263	None	No	0.01	Param.
Beryllium (mg/L)	MW-6	0.0014	0.0008259	0.004	No	18	0.001442	0.0006551	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	MW-7	0.0025	0.00022	0.004	No	18	0.002246	0.0007406	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-6	0.0025	0.0013	0.1	No	18	0.002433	0.0002828	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-7	0.005	0.0013	0.1	No	18	0.003567	0.001845	38.89	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-7	0.0025	0.00029	0.006	No	17	0.00237	0.000536	94.12	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-6	30.3	24.14	5	Yes	19	27.37	5.498	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	36.61	25.5	5	Yes	19	31.49	10.02	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MW-6	0.1	0.04	4	No	20	0.06675	0.02677	35	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-7	0.1	0.047	4	No	20	0.08835	0.02395	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.01973	0.01101	0.04	No	18	0.01537	0.007203	5.556	None	No	0.01	Param.
Lithium (mg/L)	MW-7	0.005	0.002	0.04	No	18	0.00415	0.001377	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-6	0.015	0.0011	0.1	No	19	0.01427	0.003189	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-7	0.015	0.005	0.1	No	19	0.009547	0.004903	31.58	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-6	0.0013	0.0012	0.05	No	17	0.001117	0.0003929	76.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-7	0.0013	0.00062	0.05	No	17	0.001081	0.000413	76.47	None	No	0.01	NP (NDs)

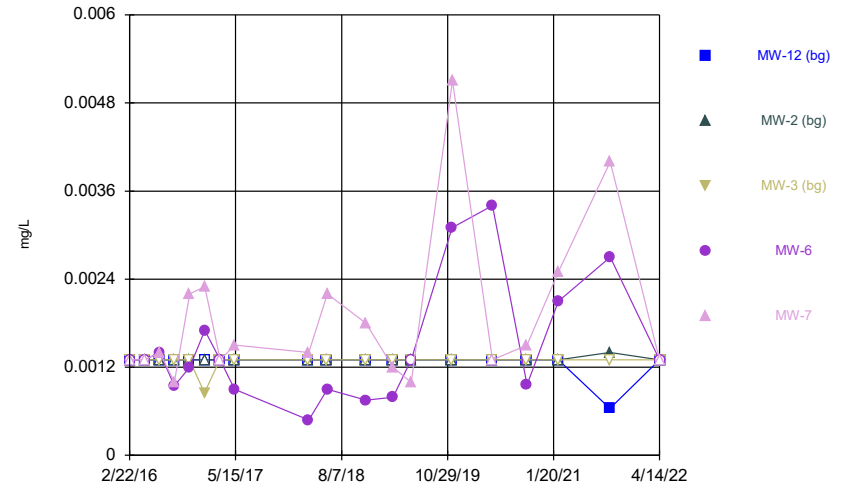
FIGURE A.

Time Series



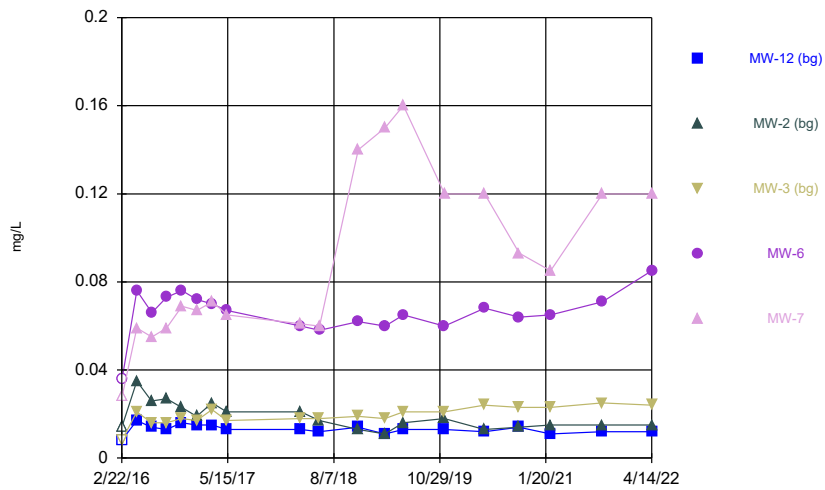
Constituent: Antimony Analysis Run 1/13/2023 12:52 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



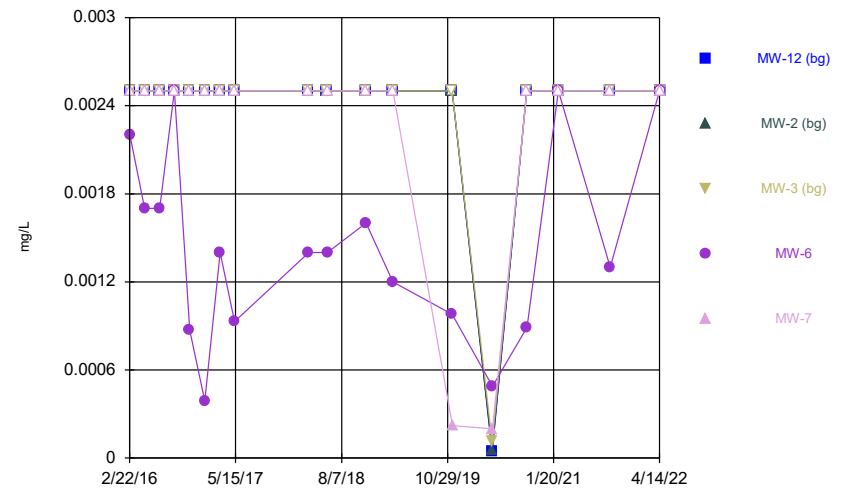
Constituent: Arsenic Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



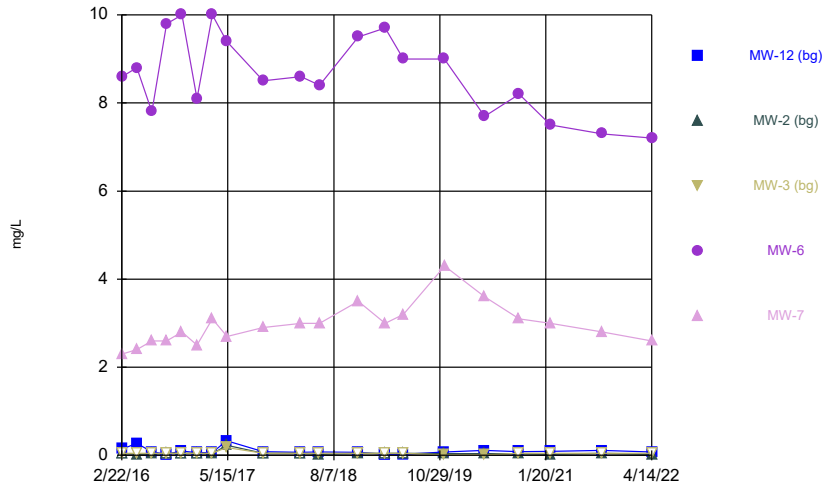
Constituent: Barium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



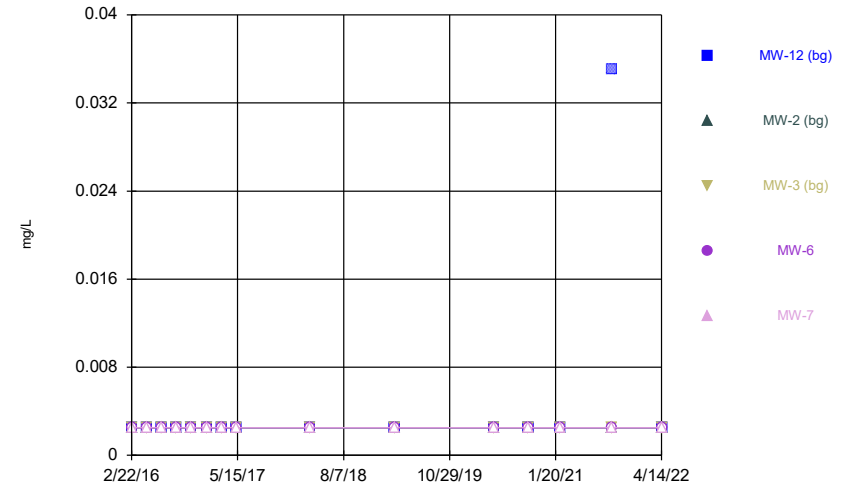
Constituent: Beryllium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



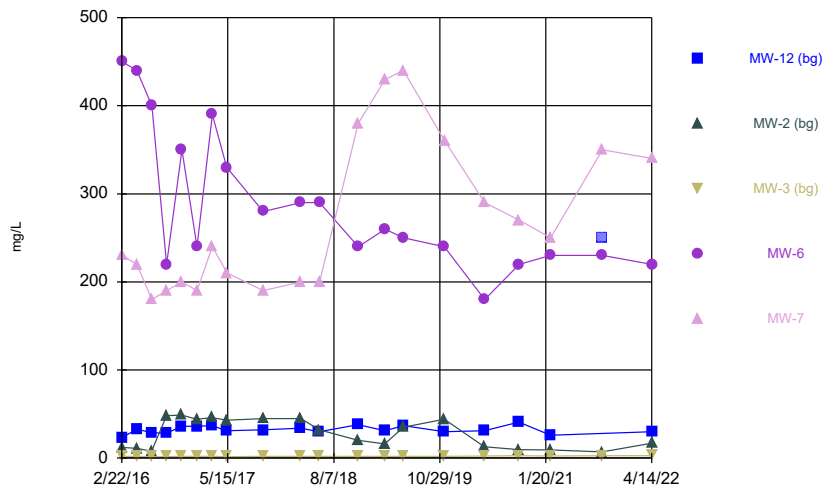
Constituent: Boron, total Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



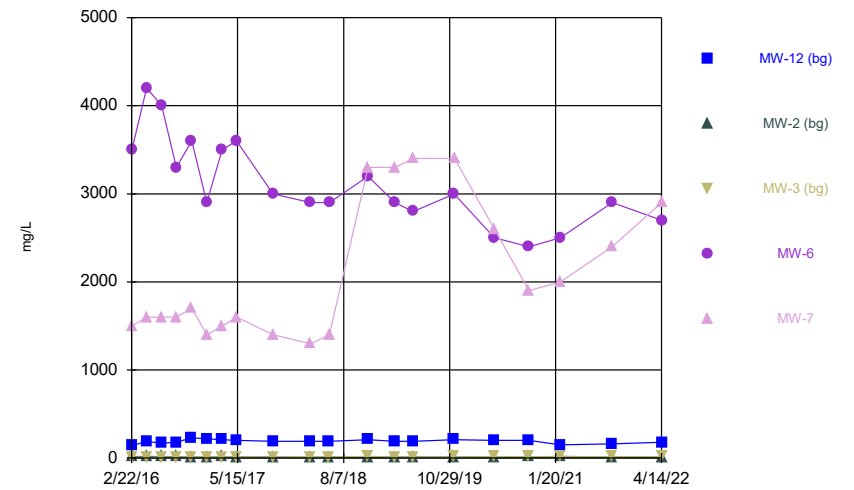
Constituent: Cadmium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



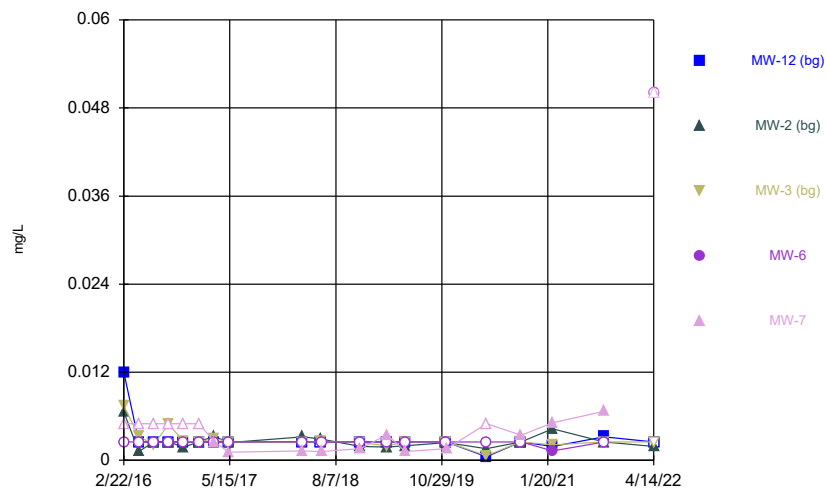
Constituent: Calcium, total Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



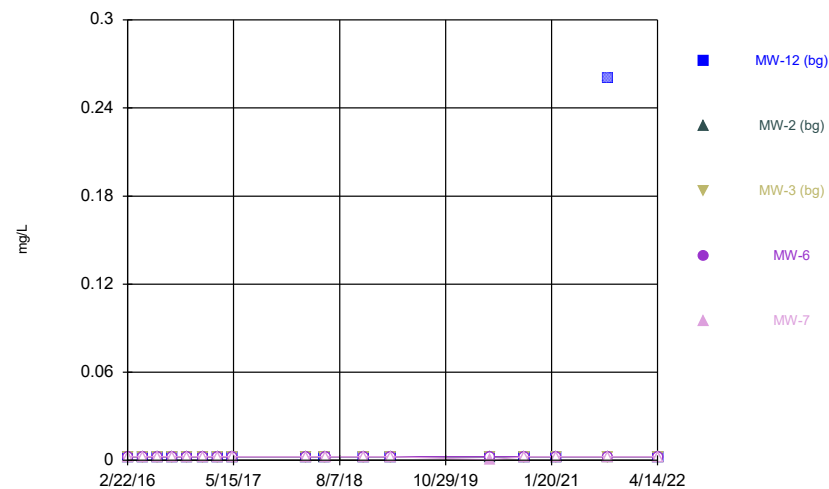
Constituent: Chloride, Total Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



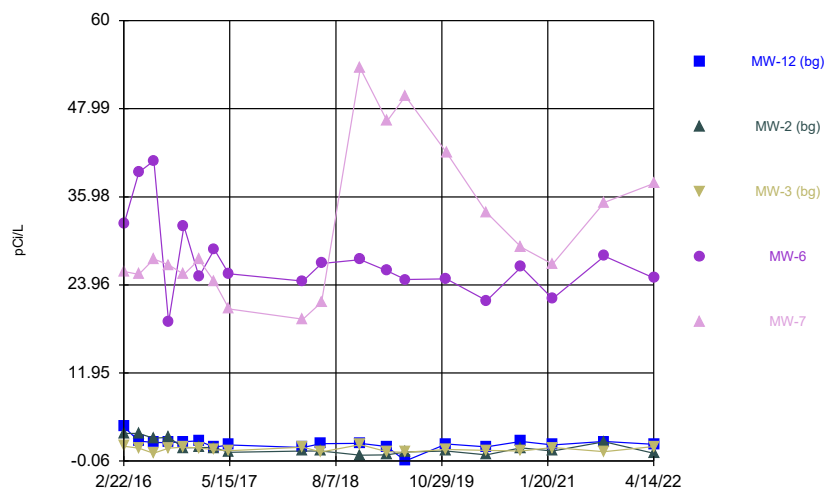
Constituent: Chromium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



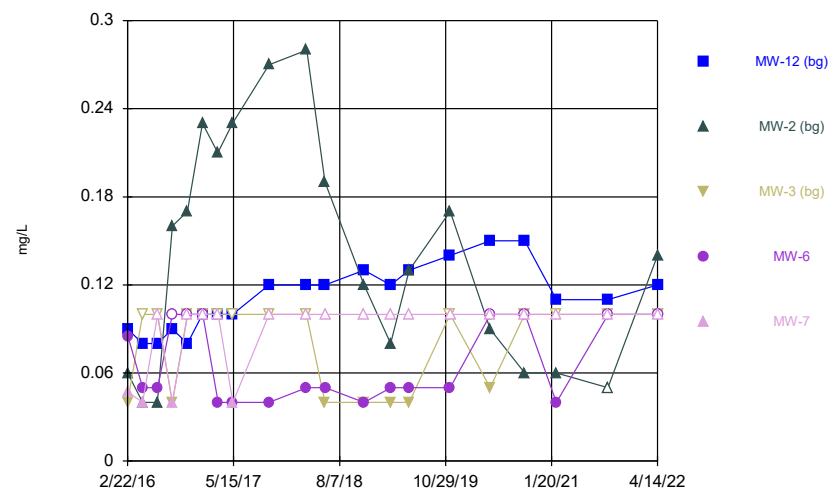
Constituent: Cobalt Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



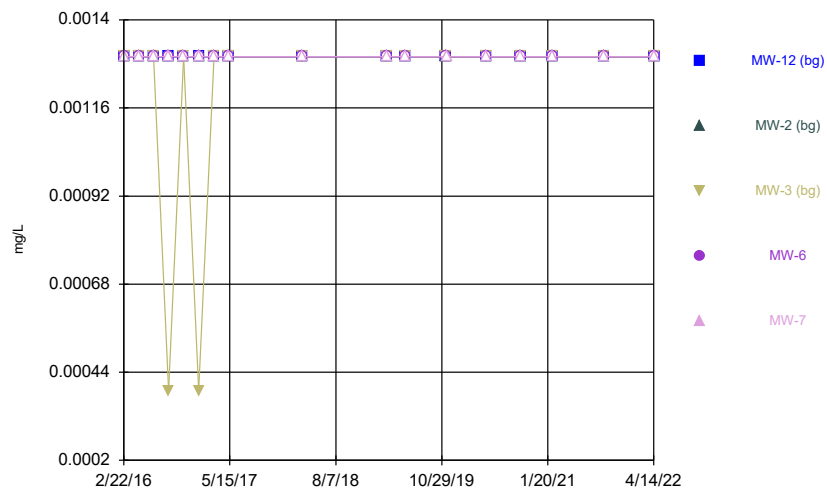
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



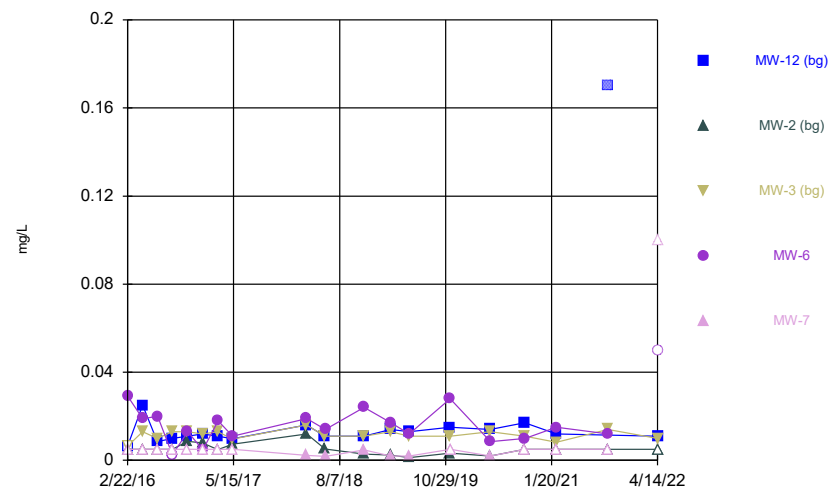
Constituent: Fluoride, total Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



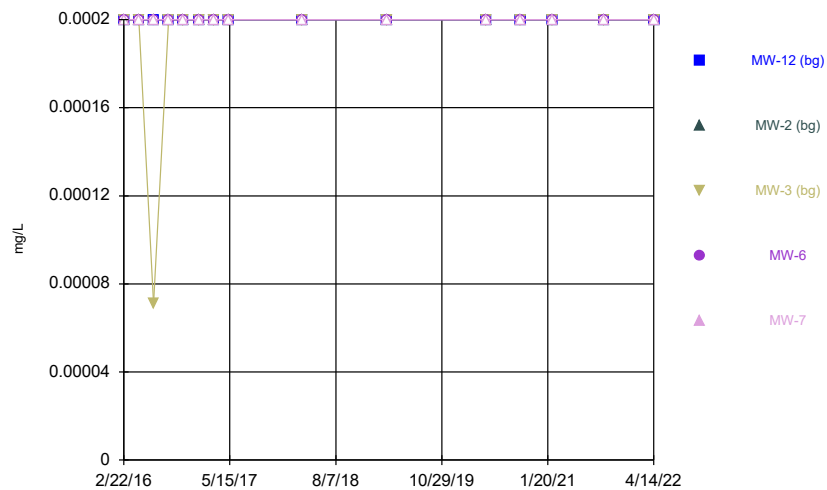
Constituent: Lead Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



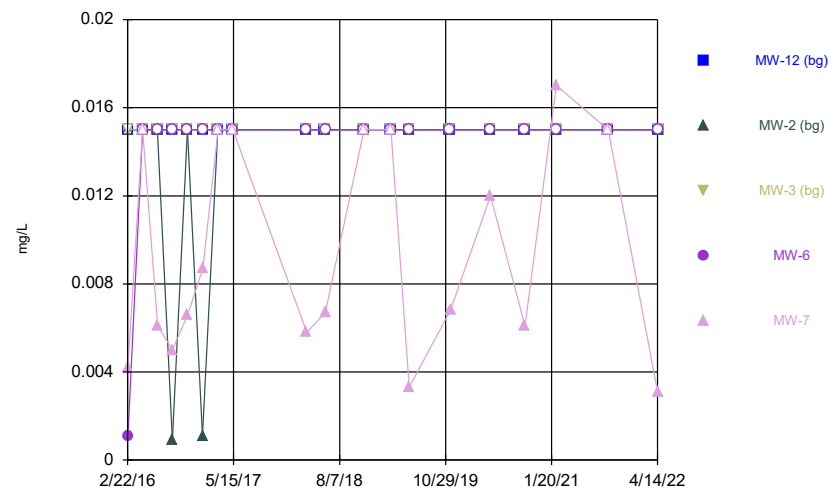
Constituent: Lithium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



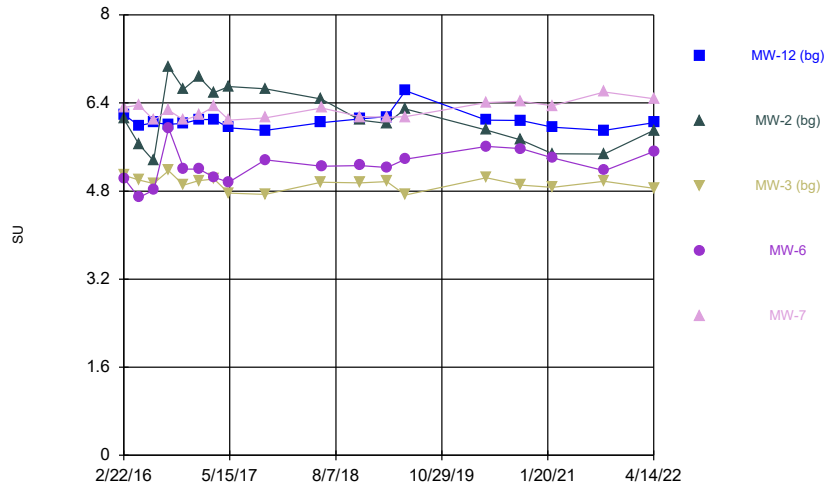
Constituent: Mercury Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



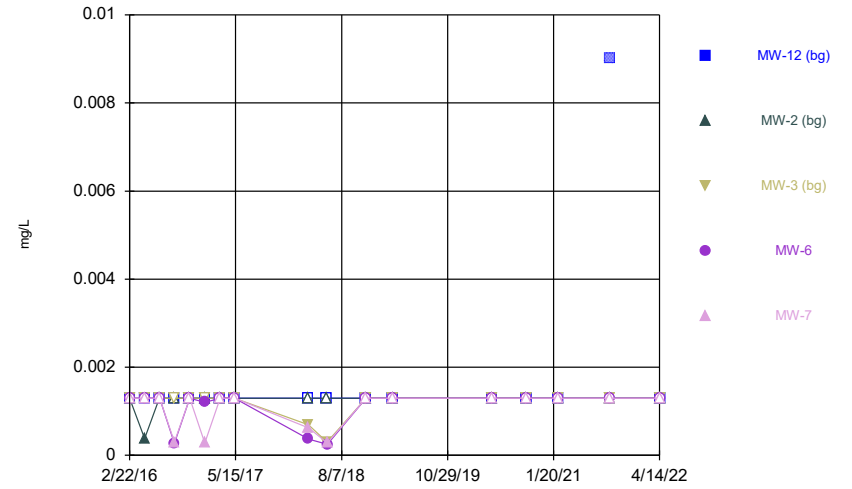
Constituent: Molybdenum Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



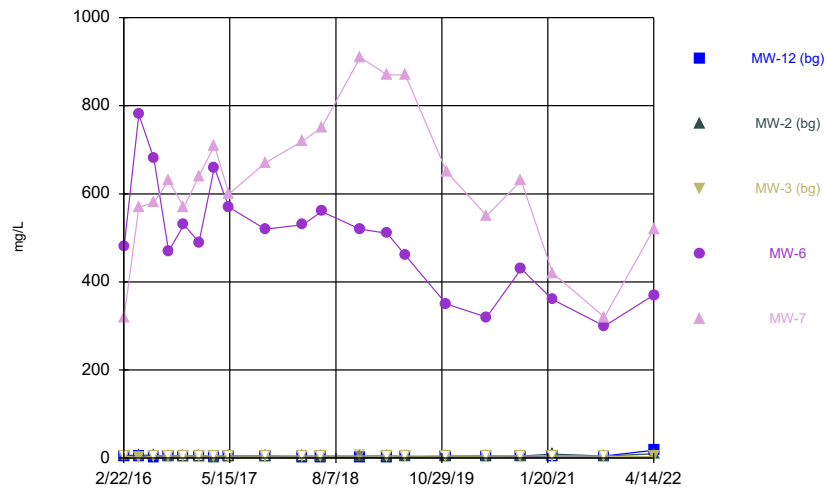
Constituent: pH, Field Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



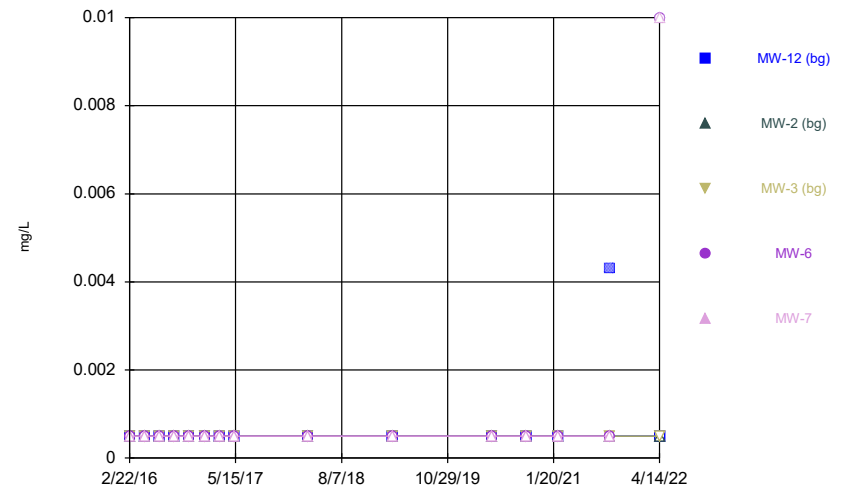
Constituent: Selenium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



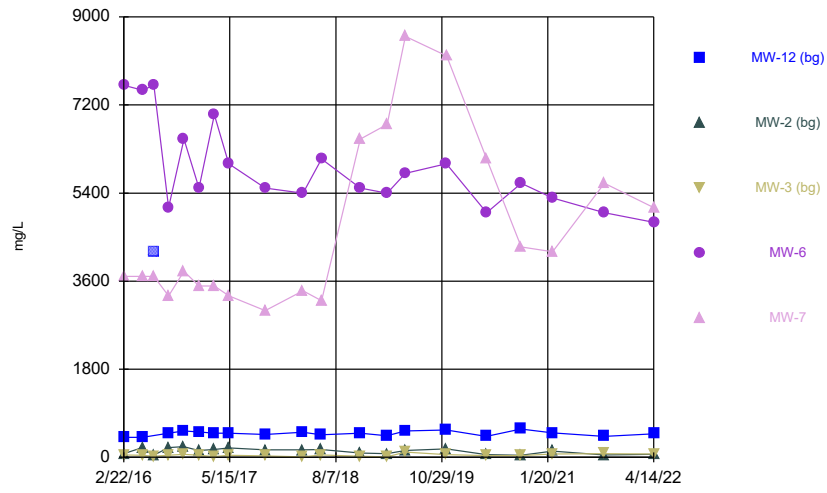
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



Constituent: Thallium Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 12:53 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0025	<0.0025	<0.0025		
2/23/2016				<0.0025	<0.0025
4/25/2016		<0.0025	<0.0025		
4/26/2016	<0.0025			<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025		
6/28/2016				<0.0025	<0.0025
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/1/2016	<0.0025	<0.0025	<0.0025		
11/2/2016				<0.0025	<0.0025
1/4/2017	<0.0025	<0.0025	<0.0025		
1/5/2017				<0.0025	<0.0025
3/10/2017	<0.0025	<0.0025	<0.0025		
3/11/2017				<0.0025	<0.0025
5/11/2017	<0.0025	<0.0025	<0.0025	<0.0025	
5/12/2017					<0.0025
3/20/2018	<0.0025		<0.0025		
3/21/2018		<0.0025		<0.0025	<0.0025
3/11/2019	<0.0025	<0.0025	<0.0025		
3/12/2019				<0.0025	<0.0025
5/5/2020	<0.0025	<0.0025	<0.0025		
5/6/2020				<0.0025	<0.0025
9/29/2020	<0.0025	<0.0025	<0.0025		
9/30/2020				<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2021	<0.0025	<0.0025	<0.0025		
9/17/2021				<0.0025	<0.0025
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0013	<0.0013	<0.0013		
2/23/2016				<0.0013	<0.0013
4/25/2016		<0.0013	<0.0013		
4/26/2016	<0.0013			<0.0013	<0.0013
6/27/2016	<0.0013	<0.0013	<0.0013		
6/28/2016				0.0014	0.0014
8/29/2016	<0.0013	<0.0013	<0.0013	0.00095 (J)	0.001 (J)
11/1/2016	<0.0013	<0.0013	<0.0013		
11/2/2016				0.0012 (J)	0.0022
1/4/2017	<0.0013	<0.0013	0.00085 (J)		
1/5/2017				0.0017	0.0023
3/10/2017	<0.0013	<0.0013 (*)	<0.0013		
3/11/2017				<0.0013 (*)	<0.0013 (*)
5/11/2017	<0.0013	<0.0013	<0.0013	0.0009 (J)	
5/12/2017					0.0015
3/20/2018	<0.0013		<0.0013		
3/21/2018		<0.0013		0.00048 (J)	0.0014
6/6/2018	<0.0013	<0.0013	<0.0013		
6/8/2018				0.0009 (J)	0.0022
11/19/2018	<0.0013	<0.0013	<0.0013	0.00075 (J)	0.0018
3/11/2019	<0.0013	<0.0013	<0.0013		
3/12/2019				0.00079 (J)	0.0012 (J)
5/28/2019	<0.0013	<0.0013	<0.0013		
5/29/2019				<0.0013	0.00099 (J)
11/18/2019	<0.0013	<0.0013	<0.0013	0.0031	
11/19/2019					0.0051
5/5/2020	<0.0013	<0.0013	<0.0013		
5/6/2020				0.0034	<0.0013
9/29/2020	<0.0013	<0.0013	<0.0013		
9/30/2020				0.00096	0.0015
2/9/2021	<0.0013	<0.0013	<0.0013	0.0021	0.0025
9/16/2021	0.00064 (I)	0.0014	<0.0013		
9/17/2021				0.0027	0.004
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013

Time Series

Constituent: Barium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.016 (*)	<0.028 (*)	<0.016 (*)		
2/23/2016				<0.072 (*)	<0.056 (*)
4/25/2016		0.035	0.021		
4/26/2016	0.017			0.076	0.059
6/27/2016	0.014	0.026	0.016		
6/28/2016				0.066	0.055
8/29/2016	0.013	0.027	0.016	0.073	0.059
11/1/2016	0.016	0.023	0.018		
11/2/2016				0.076	0.069
1/4/2017	0.015	0.019	0.017		
1/5/2017				0.072	0.067
3/10/2017	0.015	0.025	0.022		
3/11/2017				0.07	0.071
5/11/2017	0.013	0.021	0.017	0.067	
5/12/2017					0.065
3/20/2018	0.013		0.018		
3/21/2018		0.021		0.06	0.061
6/6/2018	0.012	0.017	0.018		
6/8/2018				0.058	0.06
11/19/2018	0.014	0.013	0.019	0.062	0.14
3/11/2019	0.011	0.011	0.018		
3/12/2019				0.06	0.15
5/28/2019	0.013	0.016	0.021		
5/29/2019				0.065	0.16
11/18/2019	0.013	0.018	0.021	0.06	
11/19/2019					0.12
5/5/2020	0.012	0.013	0.024		
5/6/2020				0.068	0.12
9/29/2020	0.014	0.014	0.023		
9/30/2020				0.064	0.093
2/9/2021	0.011	0.015	0.023	0.065	0.085
9/16/2021	0.012 (V)	0.015	0.025		
9/17/2021				0.071	0.12
4/14/2022	0.012	0.015	0.024	0.085	0.12

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0025		<0.0025		
2/23/2016				0.0022 (J)	<0.0025
2/26/2016		<0.0025			
4/25/2016		<0.0025	<0.0025		
4/26/2016	<0.0025			0.0017 (J)	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025		
6/28/2016				0.0017 (J)	<0.0025
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/1/2016	<0.0025	<0.0025	<0.0025		
11/2/2016				0.00087 (J)	<0.0025
1/4/2017	<0.0025	<0.0025	<0.0025		
1/5/2017				0.00039 (J)	<0.0025
3/10/2017	<0.0025	<0.0025	<0.0025		
3/11/2017				0.0014 (J)	<0.0025
5/11/2017	<0.0025	<0.0025	<0.0025	0.00093 (J)	
5/12/2017					<0.0025
3/20/2018	<0.0025		<0.0025		
3/21/2018		<0.0025		0.0014 (J)	<0.0025
6/6/2018	<0.0025	<0.0025	<0.0025		
6/8/2018				0.0014 (J)	<0.0025
11/19/2018	<0.0025	<0.0025	<0.0025	0.0016 (J)	<0.0025
3/11/2019	<0.0025	<0.0025	<0.0025		
3/12/2019				0.0012 (J)	<0.0025
11/18/2019	<0.0025	<0.0025	<0.0025	0.00098 (J)	
11/19/2019					0.00022 (J)
5/5/2020	4.3E-05 (J)	5.7E-05 (J)	0.00011 (J)		
5/6/2020				0.00049 (J)	0.0002 (J)
9/29/2020	<0.0025	<0.0025	<0.0025		
9/30/2020				0.00089	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2021	<0.0025	<0.0025	<0.0025		
9/17/2021				0.0013 (I)	<0.0025
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	0.14 (J)	<0.05	<0.05		
2/23/2016				8.6	2.3
4/25/2016		0.022 (J)	<0.05		
4/26/2016	0.27			8.8	2.4
6/27/2016	0.083	0.032 (J)	<0.05		
6/28/2016				7.8	2.6
8/29/2016	<0.05 (*)	<0.05 (*)	<0.05	9.8	2.6
11/1/2016	0.1	<0.05	<0.05		
11/2/2016				10	2.8
1/4/2017	0.062	<0.05	<0.05		
1/5/2017				8.1	2.5
3/10/2017	0.06	0.032 (J)	<0.05		
3/11/2017				10	3.1
5/11/2017	0.33	0.23	0.18	9.4	
5/12/2017					2.7
10/12/2017	0.082	<0.05	<0.05	8.5	2.9
3/20/2018	0.072		<0.05		
3/21/2018		<0.05		8.6	3
6/6/2018	0.077	0.027 (J)	<0.05		
6/8/2018				8.4	3
11/19/2018	0.071	0.045 (J)	<0.05	9.5	3.5
3/11/2019	<0.05	<0.05	<0.05		
3/12/2019				9.7	3
5/28/2019	0.024 (J)	<0.05	<0.05		
5/29/2019				9	3.2
11/18/2019	0.075	0.036 (V)	0.0094 (IV)	9 (J3)	
11/19/2019					4.3 (J3)
5/5/2020	0.11	0.041	0.0073 (J)		
5/6/2020				7.7	3.6
9/29/2020	0.086	0.04	<0.05		
9/30/2020				8.2	3.1
2/9/2021	0.09	0.024 (I)	<0.05	7.5	3
9/16/2021	0.11	0.045 (I)	<0.05		
9/17/2021				7.3	2.8
4/14/2022	0.076	0.024 (J)	<0.05	7.2	2.6

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0025	<0.0025	<0.0025		
2/23/2016				<0.0025	<0.0025
4/25/2016		<0.0025	<0.0025		
4/26/2016	<0.0025			<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025		
6/28/2016				<0.0025	<0.0025
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/1/2016	<0.0025	<0.0025	<0.0025		
11/2/2016				<0.0025	<0.0025
1/4/2017	<0.0025	<0.0025	<0.0025		
1/5/2017				<0.0025	<0.0025
3/10/2017	<0.0025	<0.0025	<0.0025		
3/11/2017				<0.0025	<0.0025
5/11/2017	<0.0025	<0.0025	<0.0025	<0.0025	
5/12/2017					<0.0025
3/20/2018	<0.0025		<0.0025		
3/21/2018		<0.0025		<0.0025	<0.0025
3/11/2019	<0.0025	<0.0025	<0.0025		
3/12/2019				<0.0025	<0.0025
5/5/2020	<0.0025	<0.0025	<0.0025		
5/6/2020				<0.0025	<0.0025
9/29/2020	<0.0025	<0.0025	<0.0025		
9/30/2020				<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2021	0.035 (O)	<0.0025	<0.0025		
9/17/2021				<0.0025	<0.0025
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	23	12	1.9		
2/23/2016				450	230
4/25/2016		11	1.8		
4/26/2016	33			440	220
6/27/2016	29	7.7	1.7		
6/28/2016				400	180
8/29/2016	28	48	1.7	220	190
11/1/2016	36	49	1.9		
11/2/2016				350	200
1/4/2017	36	44	1.8		
1/5/2017				240	190
3/10/2017	37	46	1.9		
3/11/2017				390	240
5/11/2017	31	43	1.7	330	
5/12/2017					210
10/12/2017	32	45	1.9	280	190
3/20/2018	34		1.9		
3/21/2018		45		290	200
6/6/2018	30	32	1.8		
6/8/2018				290	200
11/19/2018	38	20	1.8	240	380
3/11/2019	31	16	1.9		
3/12/2019				260	430
5/28/2019	37	35	2.1		
5/29/2019				250	440
11/18/2019	30	44	1.9	240	
11/19/2019					360
5/5/2020	31	13	2.3		
5/6/2020				180	290
9/29/2020	41	9.6	2.6		
9/30/2020				220	270
2/9/2021	26	9.1	2.4	230	250
9/16/2021	250 (O)	6.9	2.6		
9/17/2021				230	350
4/14/2022	30	17	2.8	220	340

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	140	15	11		
2/23/2016				3500	1500
4/25/2016		18	10		
4/26/2016	190			4200	1600
6/27/2016	170	17	11		
6/28/2016				4000	1600
8/29/2016	180	16	11	3300	1600
11/1/2016	230	11	11		
11/2/2016				3600	1700
1/4/2017	220	11	11		
1/5/2017				2900	1400
3/10/2017	210	14	11		
3/11/2017				3500	1500
5/11/2017	200	11	12	3600	
5/12/2017					1600
10/12/2017	190	12	12	3000	1400
3/20/2018	190		11		
3/21/2018		9.3		2900	1300
6/6/2018	190	13	11		
6/8/2018				2900	1400
11/19/2018	210	13	19.9 (D)	3200	3300
3/11/2019	190	12	13		
3/12/2019				2900	3300
5/28/2019	190	13	13		
5/29/2019				2800	3400
11/18/2019	210	12	14	3000	
11/19/2019					3400
5/5/2020	200	13	15		
5/6/2020				2500	2600
9/29/2020	200	14	16		
9/30/2020				2400	1900
2/9/2021	150	20	15	2500	2000
9/16/2021	160	11	15		
9/17/2021				2900	2400
4/14/2022	180	12	16	2700	2900

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	0.012 (J)	0.0066 (JV)	0.0074 (J)		
2/23/2016				<0.0025	<0.005
4/25/2016		0.0012 (J)	0.0033		
4/26/2016	<0.0025			<0.0025	<0.005
6/27/2016	<0.0025	<0.0025	0.0021 (J)		
6/28/2016				<0.0025	<0.005
8/29/2016	<0.0025	<0.0025	0.0049	<0.0025	<0.005
11/1/2016	<0.0025	0.0018 (J)	0.0026		
11/2/2016				<0.0025	<0.005
1/4/2017	<0.0025	<0.0025 (*)	<0.0025 (*)		
1/5/2017				<0.0025	<0.005 (*)
3/10/2017	<0.0025	0.0033	0.003		
3/11/2017				<0.0025	0.0025
5/11/2017	<0.0025	0.0024 (J)	<0.0025	<0.0025	
5/12/2017					0.0011 (J)
3/20/2018	<0.0025		0.0024 (J)		
3/21/2018		0.0032		<0.0025	0.0013 (J)
6/6/2018	<0.0025	0.0029	0.0026		
6/8/2018				<0.0025	0.0012 (J)
11/19/2018	<0.0025	0.0019 (J)	0.0024 (J)	<0.0025	0.0016 (J)
3/11/2019	<0.0025	0.0018 (J)	0.002 (J)		
3/12/2019				<0.0025	0.0035
5/28/2019	<0.0025	0.002 (J)	<0.0025		
5/29/2019				<0.0025	0.0012 (J)
11/18/2019	<0.0025	0.0024 (I)	<0.0025	<0.0025	
11/19/2019					0.0016 (I)
5/5/2020	0.0005	0.0016	0.00064		
5/6/2020				<0.0025	<0.005
9/29/2020	<0.0025	<0.0025	<0.0025		
9/30/2020				<0.0025	0.0034
2/9/2021	0.0019 (I)	0.0043	0.0021 (I)	0.0013 (I)	0.0051
9/16/2021	0.0032 (V)	<0.0025	<0.0025		
9/17/2021				<0.0025	0.0067
4/14/2022	<0.0025	0.0019 (J)	<0.0025	<0.05 (o)	<0.05 (o)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0025	<0.0025	<0.0025		
2/23/2016				<0.0025	<0.0025
4/25/2016		<0.0025	<0.0025		
4/26/2016	<0.0025			<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025		
6/28/2016				<0.0025	<0.0025
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/1/2016	<0.0025	<0.0025	<0.0025		
11/2/2016				<0.0025	<0.0025
1/4/2017	<0.0025	<0.0025	<0.0025		
1/5/2017				<0.0025	<0.0025
3/10/2017	<0.0025	<0.0025	<0.0025		
3/11/2017				<0.0025	<0.0025
5/11/2017	<0.0025	<0.0025	<0.0025	<0.0025	
5/12/2017					<0.0025
3/20/2018	<0.0025		<0.0025		
3/21/2018		<0.0025		<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025	<0.0025		
6/8/2018				<0.0025	<0.0025
11/19/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/11/2019	<0.0025	<0.0025	<0.0025		
3/12/2019				<0.0025	<0.0025
5/5/2020	<0.0025	<0.0025	<0.0025		
5/6/2020				<0.0025	0.00029 (J)
9/29/2020	<0.0025	<0.0025	<0.0025		
9/30/2020				<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2021	0.26 (O)	<0.0025	<0.0025		
9/17/2021				<0.0025	<0.0025
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	4.64	3.71	1.96		
2/23/2016				32.3	25.8
4/25/2016		3.7	1.71		
4/26/2016	2.65			39.3	25.4
6/27/2016	2.49	3.04	1		
6/28/2016				40.9	27.5
8/29/2016	2.45	3.2	1.69	18.9	26.7
11/1/2016	2.59	1.75	1.83		
11/2/2016				32	25.4
1/4/2017	2.69	1.79	1.75		
1/5/2017				25.1	27.4
3/10/2017	1.84	1.78	1.5		
3/11/2017				28.8	24.4
5/11/2017	2.12	1.14	1.34	25.5	
5/12/2017					20.7
3/20/2018	1.81		1.82		
3/21/2018		1.32		24.5	19.3
6/6/2018	2.32	1.32	1.19		
6/8/2018				26.9	21.6
11/19/2018	2.37	0.763	2.18	27.4	53.5
3/11/2019	1.93	0.777	1.24		
3/12/2019				25.9	46.3
5/28/2019	-0.0564 (U)	1.16	1.13		
5/29/2019				24.7	49.7
11/18/2019	2.25	1.31	1.52	24.8	
11/19/2019					42
5/5/2020	1.87	0.805	1.42		
5/6/2020				21.8	33.8
9/29/2020	2.63	1.73	1.32		
9/30/2020				26.4	29.1
2/9/2021	2.16	1.3	1.78	22.1	26.8
9/16/2021	2.61	2.57	1.24		
9/17/2021				27.9	35.2
4/14/2022	2.23	1.02	1.93	24.9	37.8

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	0.09 (J)	0.06 (J)	0.04 (J)		
2/23/2016				0.085 (J)	0.047 (J)
4/25/2016		0.04 (J)	<0.1		
4/26/2016	0.08 (J)			0.05 (J)	0.04 (J)
6/27/2016	0.08 (J)	0.04 (J)	<0.1		
6/28/2016				0.05 (J)	<0.1
8/29/2016	0.09 (J)	0.16	0.04 (J)	<0.1	0.04 (J)
11/1/2016	0.08 (J)	0.17	<0.1		
11/2/2016				<0.1	<0.1
1/4/2017	0.1	0.23	<0.1		
1/5/2017				<0.1	<0.1
3/10/2017	0.1	0.21	<0.1		
3/11/2017				0.04 (J)	<0.1
5/11/2017	0.1	0.23	<0.1	0.04 (J)	
5/12/2017					0.04 (J)
10/12/2017	0.12	0.27	<0.1	0.04	<0.1
3/20/2018	0.12		<0.1		
3/21/2018		0.28		0.05 (J)	<0.1
6/6/2018	0.12	0.19	0.04 (J)		
6/8/2018				0.05 (J)	<0.1
11/19/2018	0.13	0.12	0.04 (J)	0.04 (J)	<0.1
3/11/2019	0.12	0.08 (J)	0.04 (J)		
3/12/2019				0.05 (J)	<0.1
5/28/2019	0.13	0.13	0.04 (J)		
5/29/2019				0.05 (J)	<0.1
11/18/2019	0.14	0.17	<0.1	0.05 (I)	
11/19/2019					<0.1
5/5/2020	0.15 (V)	0.09 (J)	0.05 (J)		
5/6/2020				<0.1	<0.1
9/29/2020	0.15	0.06	<0.1		
9/30/2020				<0.1	<0.1
2/9/2021	0.11	0.06 (I)	<0.1	0.04 (I)	<0.1
9/16/2021	0.11	<0.1	<0.1		
9/17/2021				<0.1	<0.1
4/14/2022	0.12	0.14	<0.1	<0.1	<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0013	<0.0013	<0.0013		
2/23/2016				<0.0013	<0.0013
4/25/2016		<0.0013	<0.0013		
4/26/2016	<0.0013			<0.0013	<0.0013
6/27/2016	<0.0013	<0.0013	<0.0013		
6/28/2016				<0.0013	<0.0013
8/29/2016	<0.0013	<0.0013	0.00039 (J)	<0.0013	<0.0013
11/1/2016	<0.0013	<0.0013	<0.0013		
11/2/2016				<0.0013	<0.0013
1/4/2017	<0.0013	<0.0013	0.00039 (J)		
1/5/2017				<0.0013	<0.0013
3/10/2017	<0.0013	<0.0013	<0.0013		
3/11/2017				<0.0013	<0.0013
5/11/2017	<0.0013	<0.0013	<0.0013	<0.0013	
5/12/2017					<0.0013
3/20/2018	<0.0013		<0.0013		
3/21/2018		<0.0013		<0.0013	<0.0013
3/11/2019	<0.0013	<0.0013	<0.0013		
3/12/2019				<0.0013	<0.0013
5/28/2019	<0.0013	<0.0013	<0.0013		
5/29/2019				<0.0013	<0.0013
11/18/2019	<0.0013	<0.0013	<0.0013	<0.0013	
11/19/2019					<0.0013
5/5/2020	<0.0013	<0.0013	<0.0013		
5/6/2020				<0.0013	<0.0013
9/29/2020	<0.0013	<0.0013	<0.0013		
9/30/2020				<0.0013	<0.0013
2/9/2021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
9/16/2021	<0.0013	<0.0013	<0.0013		
9/17/2021				<0.0013	<0.0013
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.013	<0.005	<0.013		
2/23/2016				0.029	<0.005
4/25/2016		<0.005	0.013		
4/26/2016	0.025			0.019 (J)	<0.005
6/27/2016	0.0085	<0.005	0.01		
6/28/2016				0.02	<0.005
8/29/2016	0.01	<0.005	0.013	<0.005	<0.005
11/1/2016	0.011	0.0087	0.013		
11/2/2016				0.013	<0.005
1/4/2017	0.012	0.0079	0.012		
1/5/2017				0.0047 (J)	<0.005
3/10/2017	0.011	0.0049 (J)	0.013		
3/11/2017				0.018	<0.005
5/11/2017	0.0098	0.0073	0.0096	0.011	
5/12/2017					<0.005
3/20/2018	0.016		0.016		
3/21/2018		0.012		0.019	0.0023 (J)
6/6/2018	0.011	0.0051	0.011		
6/8/2018				0.014	0.0018 (J)
11/19/2018	0.011	0.0028 (J)	0.011	0.024	0.0047 (J)
3/11/2019	0.014	0.0024 (J)	0.013		
3/12/2019				0.017	0.002 (J)
5/28/2019	0.013	0.0012 (J)	0.011		
5/29/2019				0.012	0.002 (J)
11/18/2019	0.015	0.0032	0.011	0.028 (I)	
11/19/2019					<0.005
5/5/2020	0.014	0.0019	0.013		
5/6/2020				0.0085	0.0019
9/29/2020	0.017	<0.005	0.011		
9/30/2020				0.01	<0.005
2/9/2021	0.012	<0.005	0.0082	0.015 (I)	<0.005
9/16/2021	0.17 (O)	<0.005	0.014		
9/17/2021				0.012	<0.005
4/14/2022	0.011	<0.005	0.01	<0.1 (o)	<0.1 (o)

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0002	<0.0002	<0.0002		
2/23/2016				<0.0002 (*)	<0.0002
4/25/2016		<0.0002	<0.0002		
4/26/2016	<0.0002			<0.0002	<0.0002
6/27/2016	<0.0002	<0.0002	7.1E-05 (J)		
6/28/2016				<0.0002	<0.0002
8/29/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/1/2016	<0.0002	<0.0002	<0.0002		
11/2/2016				<0.0002	<0.0002
1/4/2017	<0.0002	<0.0002	<0.0002		
1/5/2017				<0.0002	<0.0002
3/10/2017	<0.0002	<0.0002	<0.0002		
3/11/2017				<0.0002	<0.0002
5/11/2017	<0.0002	<0.0002	<0.0002	<0.0002	
5/12/2017					<0.0002
3/20/2018	<0.0002		<0.0002		
3/21/2018		<0.0002		<0.0002	<0.0002
3/11/2019	<0.0002	<0.0002	<0.0002		
3/12/2019				<0.0002	<0.0002
5/5/2020	<0.0002	<0.0002	<0.0002		
5/6/2020				<0.0002	<0.0002
9/29/2020	<0.0002	<0.0002	<0.0002		
9/30/2020				<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/16/2021	<0.0002	<0.0002	<0.0002		
9/17/2021				<0.0002	<0.0002
4/14/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.015	<0.015	<0.015		
2/23/2016				0.0011 (J)	0.0042 (J)
4/25/2016		<0.015	<0.015		
4/26/2016	<0.015			<0.015	<0.015
6/27/2016	<0.015	<0.015	<0.015		
6/28/2016				<0.015	0.0061 (J)
8/29/2016	<0.015	0.0009 (J)	<0.015	<0.015	0.005 (J)
11/1/2016	<0.015	<0.015	<0.015		
11/2/2016				<0.015	0.0066 (J)
1/4/2017	<0.015	0.0011 (J)	<0.015		
1/5/2017				<0.015	0.0087 (J)
3/10/2017	<0.015	<0.015 (*)	<0.015		
3/11/2017				<0.015 (*)	<0.015 (*)
5/11/2017	<0.015	<0.015	<0.015	<0.015	
5/12/2017					<0.015 (*)
3/20/2018	<0.015		<0.015		
3/21/2018		<0.015		<0.015	0.0058 (J)
6/6/2018	<0.015	<0.015	<0.015		
6/8/2018				<0.015	0.0067 (J)
11/19/2018	<0.015	<0.015	<0.015	<0.015	<0.015
3/11/2019	<0.015	<0.015	<0.015		
3/12/2019				<0.015	<0.015
5/28/2019	<0.015	<0.015	<0.015		
5/29/2019				<0.015	0.0033 (J)
11/18/2019	<0.015	<0.015	<0.015	<0.015	
11/19/2019					0.0068 (I)
5/5/2020	<0.015	<0.015	<0.015		
5/6/2020				<0.015	0.012
9/29/2020	<0.015	<0.015	<0.015		
9/30/2020				<0.015	0.0061
2/9/2021	<0.015	<0.015	<0.015	<0.015	0.017
9/16/2021	<0.015	<0.015	<0.015		
9/17/2021				<0.015	<0.015
4/14/2022	<0.015	<0.015	<0.015	<0.015	0.0031 (J)

Time Series

Constituent: pH, Field (SU) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	6.19 (B01)	6.11 (B01)	5.09 (B01)		
2/23/2016				5.03 (B01)	6.32 (B01)
4/25/2016		5.65 (B02)	5 (B02)		
4/26/2016	5.99 (B02)			4.68 (B02)	6.36 (B02)
6/27/2016	6.04 (B03)	5.35 (B03)	4.94 (B03)		
6/28/2016				4.82 (B03)	6.09 (B03)
8/29/2016	6.01 (B04)	7.06 (B04)	5.17 (B04)	5.94 (B04)	6.27 (B04)
11/1/2016	6.03 (B05)	6.65 (B05)	4.91 (B05)		
11/2/2016				5.2 (B05)	6.09 (B05)
1/4/2017	6.1 (B06)	6.88 (B06)	4.99 (B06)		
1/5/2017				5.2 (B06)	6.18 (B06)
3/10/2017	6.1 (B07)	6.59 (B07)	5.02 (B07)		
3/11/2017				5.05 (B07)	6.34 (B07)
5/11/2017	5.95 (B08)	6.7 (B08)	4.76 (B08)	4.96 (B08)	
5/12/2017					6.09 (B08)
10/12/2017	5.9	6.66	4.74	5.37	6.13
6/6/2018	6.04	6.47	4.96		
6/8/2018				5.25	6.31
11/19/2018	6.11	6.09	4.95	5.26	6.15
3/11/2019	6.15	6.03	4.97		
3/12/2019				5.23	6.14
5/28/2019	6.62	6.29	4.73		
5/29/2019				5.38	6.15
5/5/2020	6.09	5.91	5.04		
5/6/2020				5.61	6.41
9/29/2020	6.08	5.73	4.91		
9/30/2020				5.57	6.43
2/9/2021	5.96	5.48	4.87	5.4	6.35
9/16/2021	5.9	5.47	4.98		
9/17/2021				5.17	6.6
4/14/2022	6.04	5.9	4.85	5.52	6.48

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0013	<0.0013	<0.0013		
2/23/2016				<0.0013	<0.0013
4/25/2016		0.00038 (J)	<0.0013		
4/26/2016	<0.0013			<0.0013	<0.0013
6/27/2016	<0.0013	<0.0013	<0.0013		
6/28/2016				<0.0013 (*)	<0.0013 (*)
8/29/2016	<0.0013	<0.0013	<0.0013	0.00027 (J)	0.0003 (J)
11/1/2016	<0.0013	<0.0013	<0.0013		
11/2/2016				<0.0013	<0.0013
1/4/2017	<0.0013	<0.0013	<0.0013		
1/5/2017				0.0012 (J)	0.00028 (J)
3/10/2017	<0.0013	<0.0013 (*)	<0.0013		
3/11/2017				<0.0013 (*)	<0.0013
5/11/2017	<0.0013	<0.0013	<0.0013	<0.0013	
5/12/2017					<0.0013
3/20/2018	<0.0013		0.00069 (J)		
3/21/2018		<0.0013		0.00037 (J)	0.00062 (J)
6/6/2018	<0.0013	<0.0013	0.0003 (J)		
6/8/2018				0.00025 (J)	0.00028 (J)
11/19/2018	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
3/11/2019	<0.0013	<0.0013	<0.0013		
3/12/2019				<0.0013	<0.0013
5/5/2020	<0.0013	<0.0013	<0.0013		
5/6/2020				<0.0013	<0.0013
9/29/2020	<0.0013	<0.0013	<0.0013		
9/30/2020				<0.0013	<0.0013
2/9/2021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
9/16/2021	0.009 (O)	<0.0013	<0.0013		
9/17/2021				<0.0013	<0.0013
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<5	6.3	<5		
2/23/2016				480	320
4/25/2016		6.1	1.4 (J)		
4/26/2016	<5			780	570
6/27/2016	1.6 (J)	6.6	<5		
6/28/2016				680	580
8/29/2016	<5	4.5 (J)	<5	470 (J)	630
11/1/2016	<5	<5	<5		
11/2/2016				530	570
1/4/2017	<5	<5 (*)	<5 (*)		
1/5/2017				490	640
3/10/2017	<5	2.3 (J)	<5		
3/11/2017				660	710
5/11/2017	<5	<5	<5	570	
5/12/2017					600
10/12/2017	<5	<5	<5	520	670
3/20/2018	1.8 (J)		<5		
3/21/2018		<5		530	720
6/6/2018	2.3 (J)	4.8 (J)	<5		
6/8/2018				560	750
11/19/2018	2.2 (J)	4.4 (J)	7.473 (oD)	520	910
3/11/2019	1.5 (J)	5.2	<5		
3/12/2019				510	870
5/28/2019	3 (J)	4.3 (J)	<5		
5/29/2019				460	870
11/18/2019	<5	2.8 (I)	<5	350	
11/19/2019					650
5/5/2020	<5	4.4 (J)	<5		
5/6/2020				320	550
9/29/2020	3.3	4.8	<5		
9/30/2020				430	630
2/9/2021	<5	9.2	<5	360	420
9/16/2021	<5	5	<5		
9/17/2021				300	320
4/14/2022	18	9.6	3 (J)	370	520

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	<0.0005	<0.0005	<0.0005		
2/23/2016				<0.0005	<0.0005
4/25/2016		<0.0005	<0.0005		
4/26/2016	<0.0005			<0.0005	<0.0005
6/27/2016	<0.0005	<0.0005	<0.0005		
6/28/2016				<0.0005	<0.0005
8/29/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2016	<0.0005	<0.0005	<0.0005		
11/2/2016				<0.0005	<0.0005
1/4/2017	<0.0005	<0.0005	<0.0005		
1/5/2017				<0.0005	<0.0005
3/10/2017	<0.0005	<0.0005	<0.0005		
3/11/2017				<0.0005	<0.0005
5/11/2017	<0.0005	<0.0005	<0.0005	<0.0005	
5/12/2017					<0.0005
3/20/2018	<0.0005		<0.0005		
3/21/2018		<0.0005		<0.0005	<0.0005
3/11/2019	<0.0005	<0.0005	<0.0005		
3/12/2019				<0.0005	<0.0005
5/5/2020	<0.0005	<0.0005	<0.0005		
5/6/2020				<0.0005	<0.0005
9/29/2020	<0.0005	<0.0005	<0.0005		
9/30/2020				<0.0005	<0.0005
2/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/16/2021	0.0043 (O)	<0.0005	<0.0005		
9/17/2021				<0.0005	<0.0005
4/14/2022	<0.0005	<0.0005	<0.0005	<0.01 (o)	<0.01 (o)

Time Series

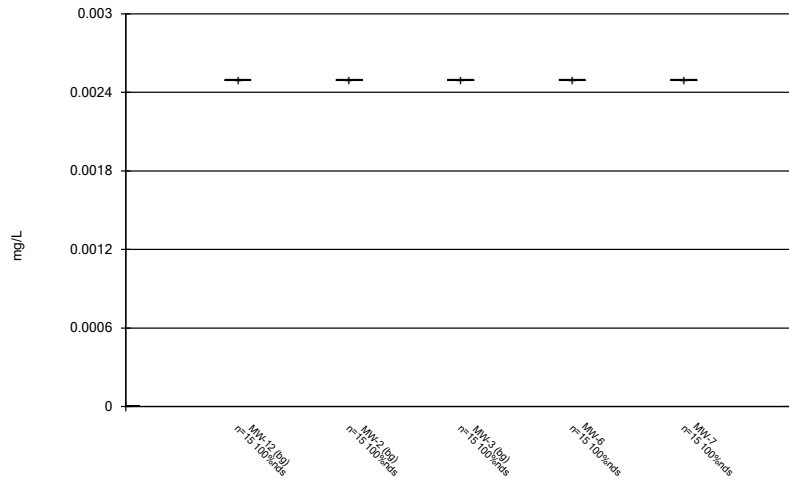
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/13/2023 12:55 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7
2/22/2016	410	74	46		
2/23/2016				7600	3700
5/11/2016	410	200	42	7500	3700
6/27/2016	4200 (O)	42	24		
6/28/2016				7600	3700
8/29/2016	490	200	42	5100	3300
11/1/2016	540	220	64		
11/2/2016				6500	3800
1/4/2017	520	140	44		
1/5/2017				5500	3500
3/10/2017	490	160	16		
3/11/2017				7000	3500
5/11/2017	490	190	42	6000	
5/12/2017					3300
10/12/2017	470	150	30	5500	3000
3/20/2018	510		12		
3/21/2018		150		5400	3400
6/6/2018	460	160	46		
6/8/2018				6100	3200
11/19/2018	490	88 (D)	22	5500	6500
3/11/2019	440	72	12		
3/12/2019				5400	6800
5/28/2019	540	140	110		
5/29/2019				5800	8600
11/18/2019	560	170	52	6000	
11/19/2019					8200
5/5/2020	430	54	34		
5/6/2020				5000	6100
9/29/2020	580	40	36		
9/30/2020				5600	4300
2/9/2021	500	130	66	5300	4200
9/16/2021	430	50	76		
9/17/2021				5000	5600
4/14/2022	480	64	68	4800	5100

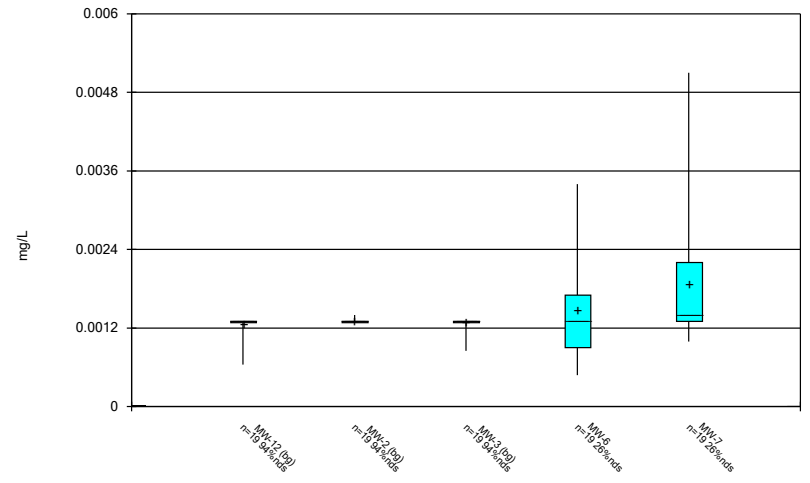
FIGURE B.

Box & Whiskers Plot



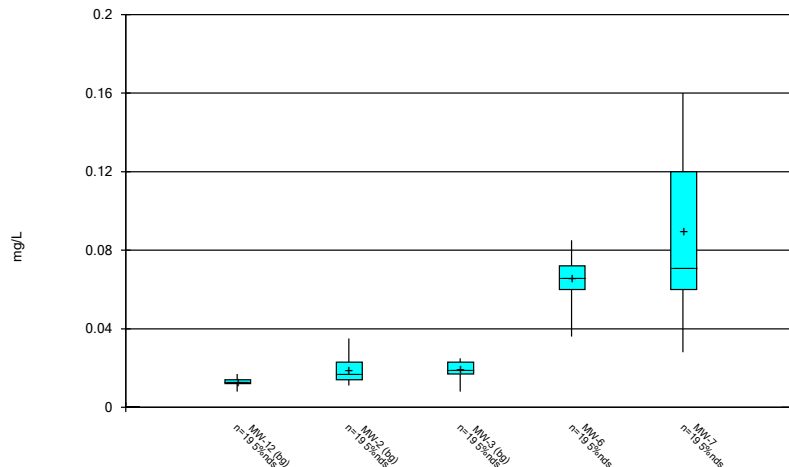
Constituent: Antimony Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



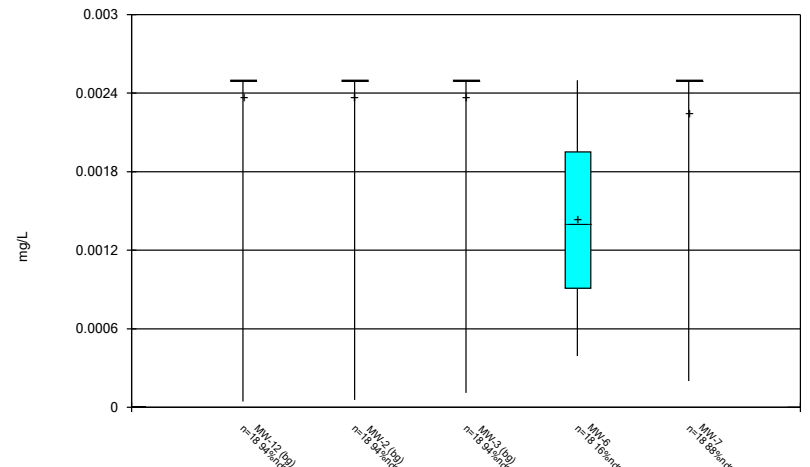
Constituent: Arsenic Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



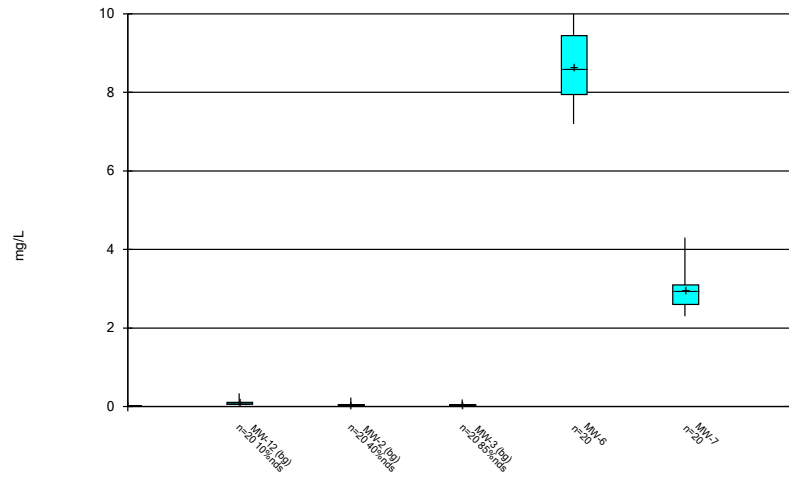
Constituent: Barium Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



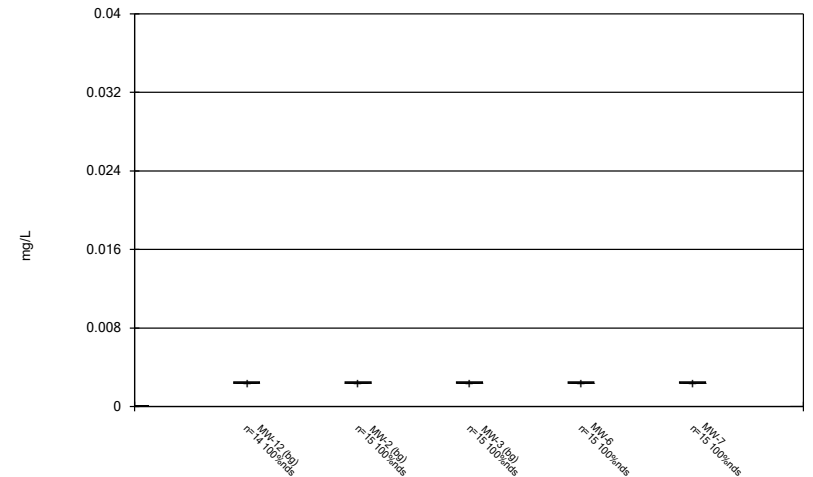
Constituent: Beryllium Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



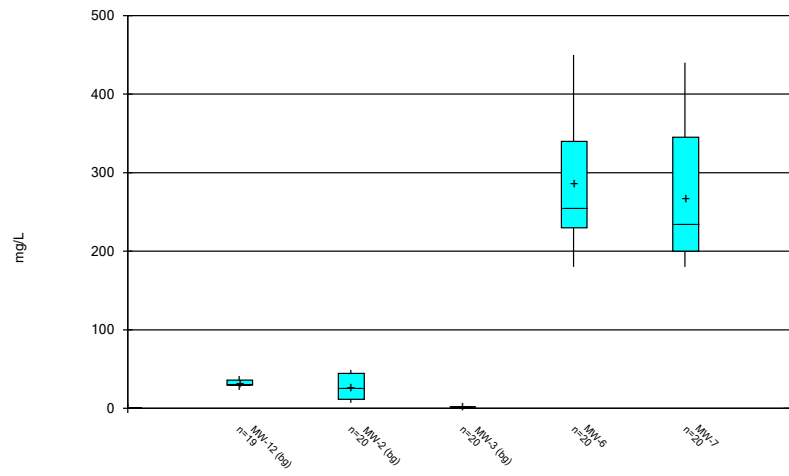
Constituent: Boron, total Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



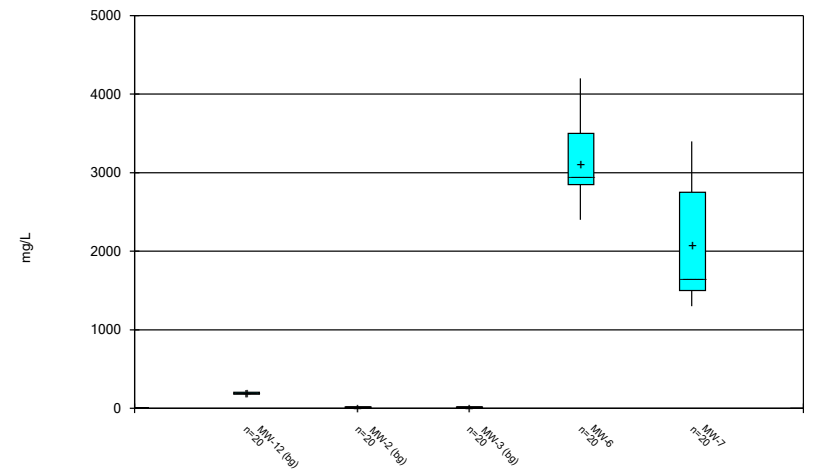
Constituent: Cadmium Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



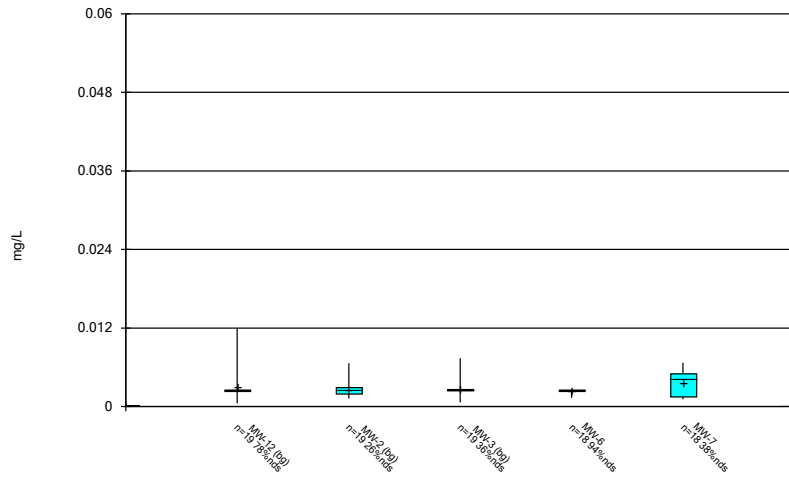
Constituent: Calcium, total Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



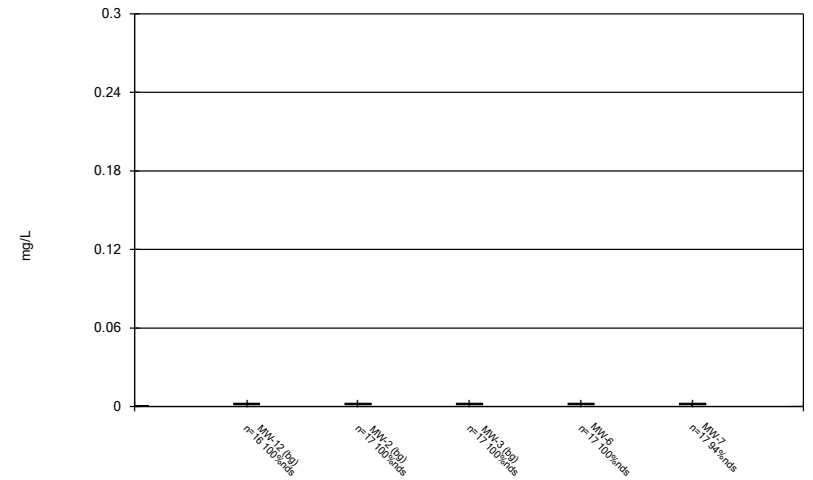
Constituent: Chloride, Total Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



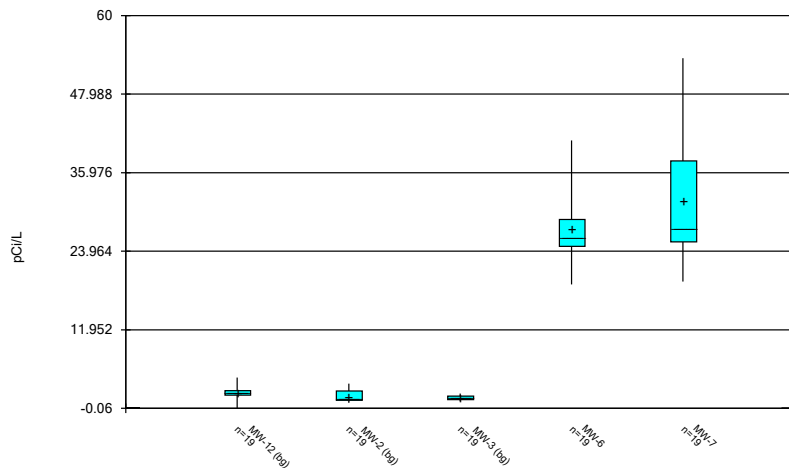
Constituent: Chromium Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



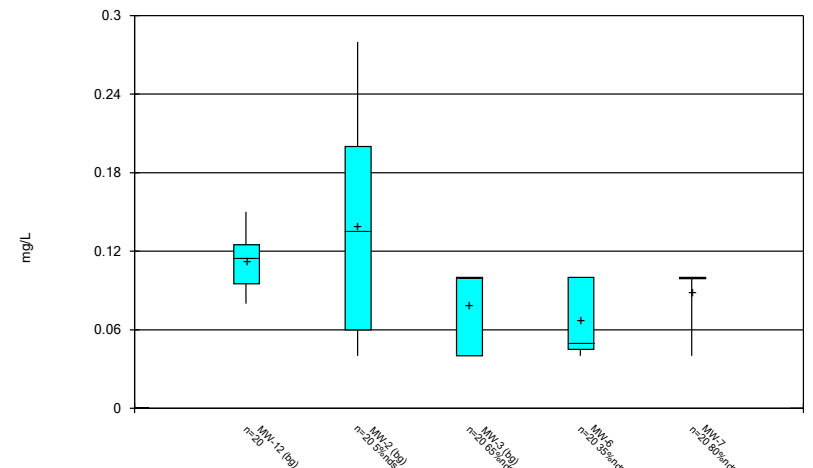
Constituent: Cobalt Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



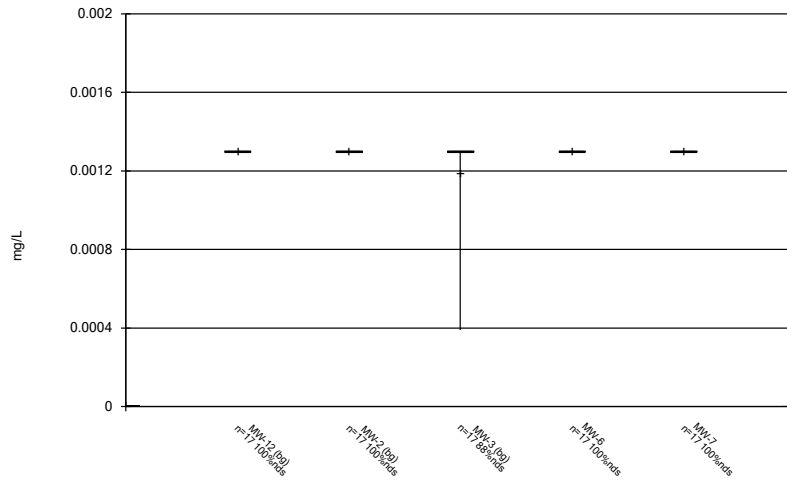
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



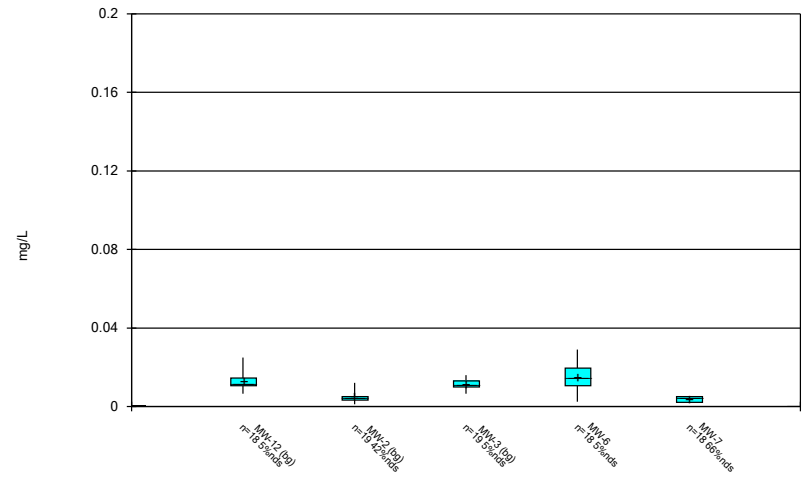
Constituent: Fluoride, total Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



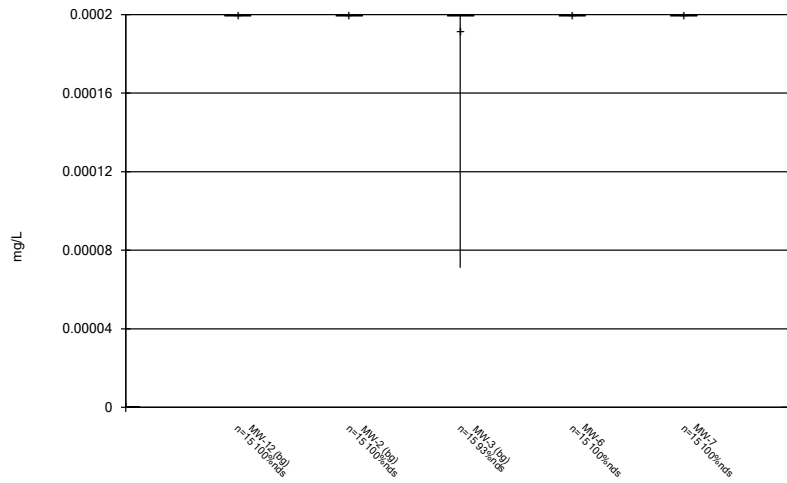
Constituent: Lead Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



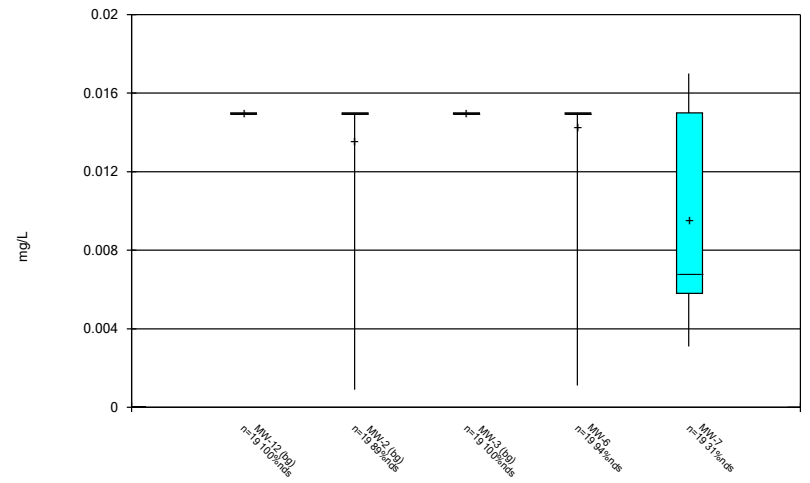
Constituent: Lithium Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



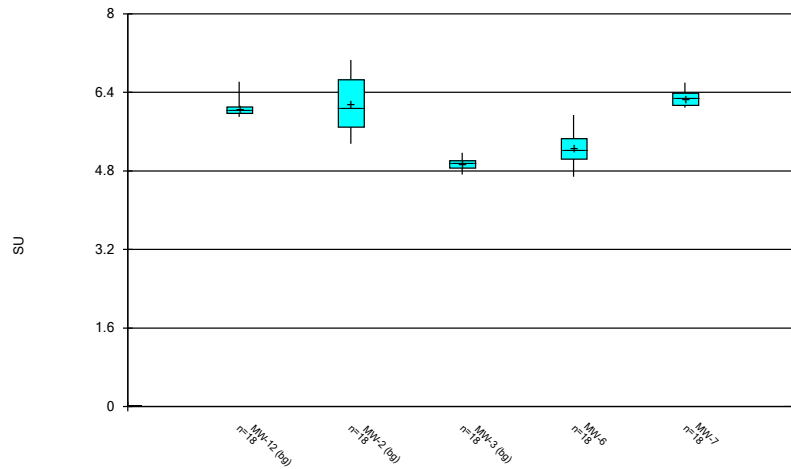
Constituent: Mercury Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



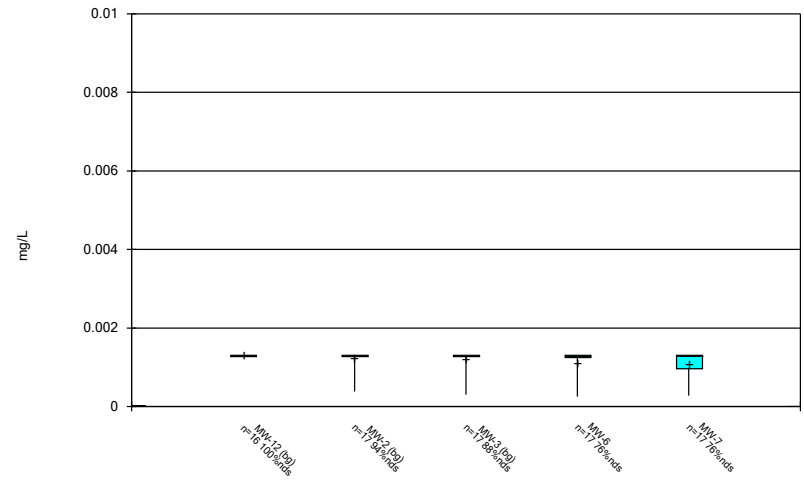
Constituent: Molybdenum Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



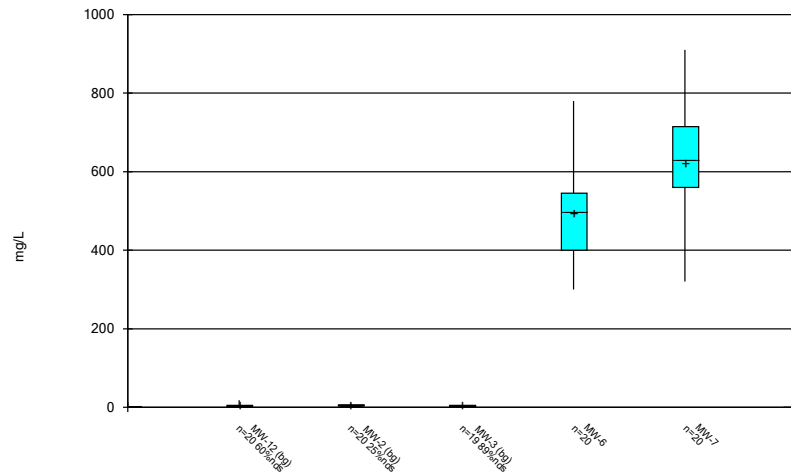
Constituent: pH, Field Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



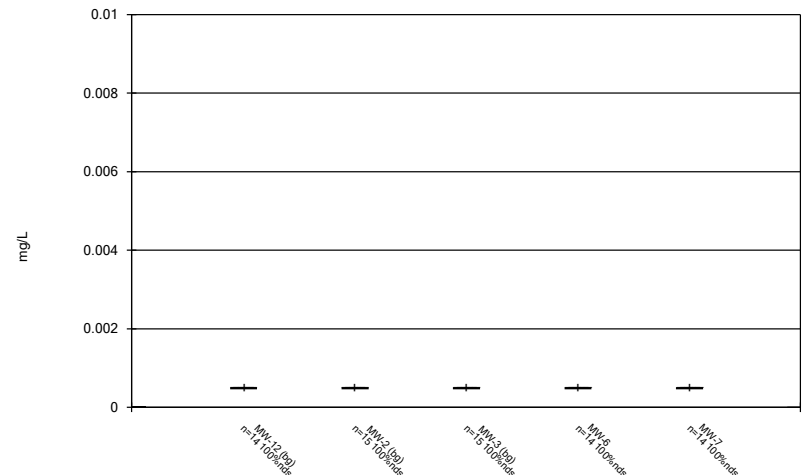
Constituent: Selenium Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



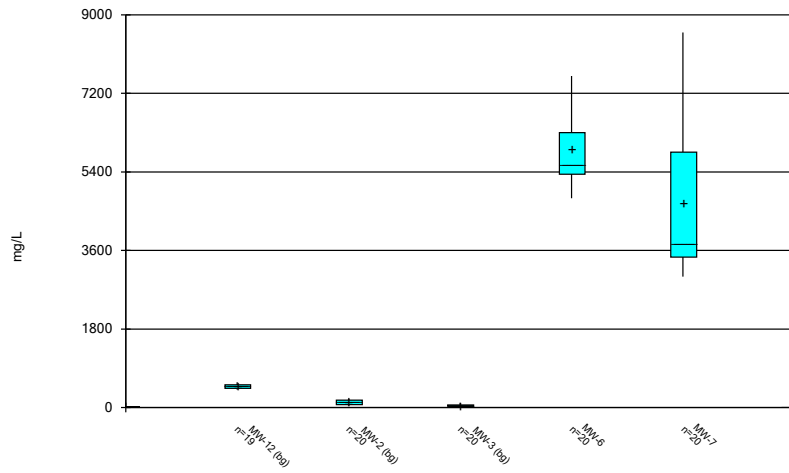
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/13/2023 12:56 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 12:56 PM
Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE C.

Outlier Summary

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 12:52 PM

Date	MW-12 Cadmium (mg/L)	MW-12 Calcium, total (mg/L)	MW-6 Chromium (mg/L)	MW-7 Chromium (mg/L)	MW-12 Cobalt (mg/L)	MW-12 Lithium (mg/L)	MW-6 Lithium (mg/L)	MW-7 Lithium (mg/L)	MW-12 Selenium (mg/L)	MW-3 Sulfate as SO4 (mg/L)
6/27/2016										
11/19/2018										7.473 (oD)
9/16/2021	0.035 (O)	250 (O)			0.26 (O)	0.17 (O)			0.009 (O)	
4/14/2022			<0.05 (o)	<0.05 (o)			<0.1 (o)	<0.1 (o)		

Date	MW-12 Thallium (mg/L)	MW-6 Thallium (mg/L)	MW-7 Thallium (mg/L)	MW-12 Total Dissolved Solids [TDS] (mg/L)
6/27/2016				4200 (O)
11/19/2018				
9/16/2021	0.0043 (O)			
4/14/2022		<0.01 (o)	<0.01 (o)	

FIGURE D.

Interwell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	4/14/2022	7.2	Yes	60	n/a	n/a	45	n/a	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	4/14/2022	2.6	Yes	60	n/a	n/a	45	n/a	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	4/14/2022	220	Yes	59	n/a	n/a	0	n/a	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	4/14/2022	340	Yes	59	n/a	n/a	0	n/a	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	4/14/2022	2700	Yes	60	n/a	n/a	0	n/a	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	4/14/2022	2900	Yes	60	n/a	n/a	0	n/a	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	18	n/a	4/14/2022	370	Yes	59	n/a	n/a	57.63	n/a	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	18	n/a	4/14/2022	520	Yes	59	n/a	n/a	57.63	n/a	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	4/14/2022	4800	Yes	59	n/a	n/a	0	n/a	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	4/14/2022	5100	Yes	59	n/a	n/a	0	n/a	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

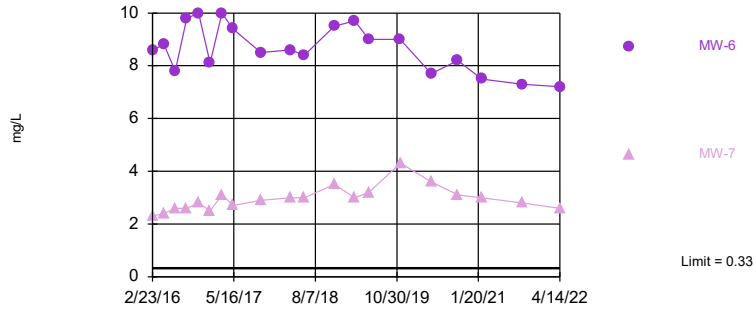
Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	4/14/2022	7.2	Yes	60	n/a	n/a	n/a	45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	4/14/2022	2.6	Yes	60	n/a	n/a	n/a	45	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	4/14/2022	220	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	4/14/2022	340	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	4/14/2022	2700	Yes	60	n/a	n/a	n/a	0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	4/14/2022	2900	Yes	60	n/a	n/a	n/a	0	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-6	0.28	n/a	4/14/2022	0.1ND	No	60	n/a	n/a	n/a	23.33	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-7	0.28	n/a	4/14/2022	0.1ND	No	60	n/a	n/a	n/a	23.33	n/a	n/a	0.0005269	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	18	n/a	4/14/2022	370	Yes	59	n/a	n/a	n/a	57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	18	n/a	4/14/2022	520	Yes	59	n/a	n/a	n/a	57.63	n/a	n/a	0.0005493	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	4/14/2022	4800	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	4/14/2022	5100	Yes	59	n/a	n/a	n/a	0	n/a	n/a	0.0005493	NP Inter (normality) 1 of 2

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



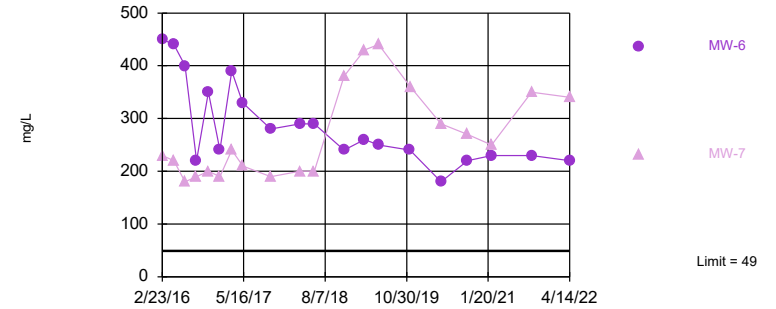
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. 45% NDs. Annual per-constituent alpha = 0.002106. Individual comparison alpha = 0.0005269 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron, total Analysis Run 1/13/2023 1:01 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



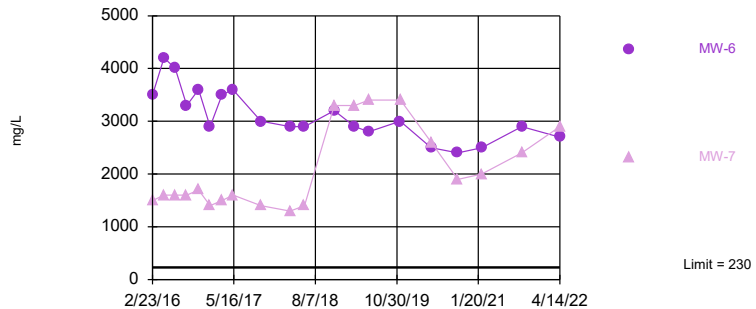
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 59 background values. Annual per-constituent alpha = 0.002195. Individual comparison alpha = 0.0005493 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Calcium, total Analysis Run 1/13/2023 1:02 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



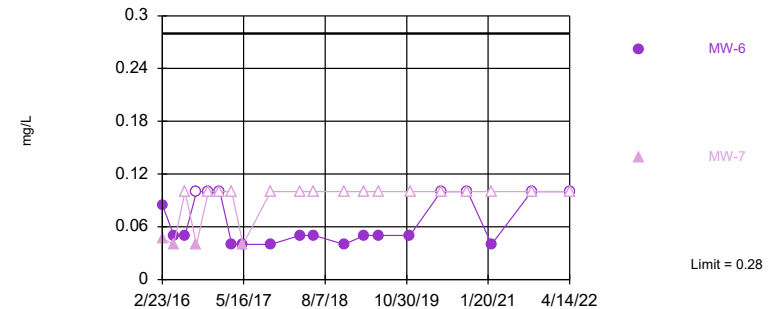
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. 23.33% NDs. Annual per-constituent alpha = 0.002106. Individual comparison alpha = 0.0005269 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride, Total Analysis Run 1/13/2023 1:02 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limit

Prediction Limit

Interwell Non-parametric

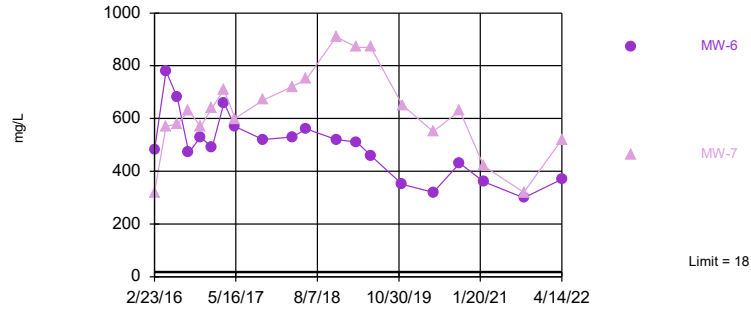


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. 23.33% NDs. Annual per-constituent alpha = 0.002106. Individual comparison alpha = 0.0005269 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Fluoride, total Analysis Run 1/13/2023 1:02 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit
Interwell Non-parametric

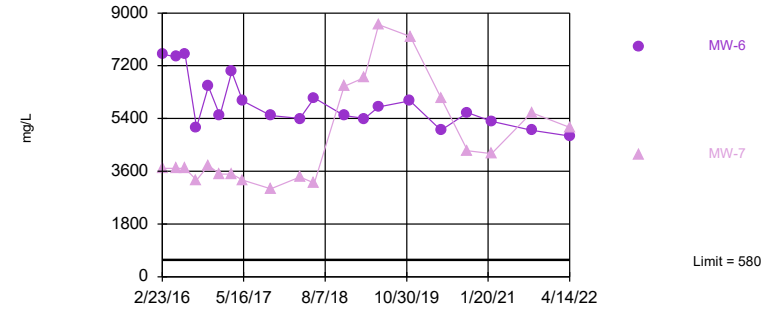


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 59 background values. 57.63% NDs. Annual per-constituent alpha = 0.002195. Individual comparison alpha = 0.0005493 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:02 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 59 background values. Annual per-constituent alpha = 0.002195. Individual comparison alpha = 0.0005493 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:02 PM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	0.14 (J)	<0.05	<0.05		
2/23/2016				8.6	2.3
4/25/2016		<0.05	0.022 (J)		
4/26/2016	0.27			8.8	2.4
6/27/2016	0.083	<0.05	0.032 (J)		
6/28/2016				7.8	2.6
8/29/2016	<0.05 (*)	<0.05	<0.05 (*)	9.8	2.6
11/1/2016	0.1	<0.05	<0.05		
11/2/2016				10	2.8
1/4/2017	0.062	<0.05	<0.05		
1/5/2017				8.1	2.5
3/10/2017	0.06	<0.05	0.032 (J)		
3/11/2017				10	3.1
5/11/2017	0.33	0.18	0.23	9.4	
5/12/2017					2.7
10/12/2017	0.082	<0.05	<0.05	8.5	2.9
3/20/2018	0.072	<0.05			
3/21/2018			<0.05	8.6	3
6/6/2018	0.077	<0.05	0.027 (J)		
6/8/2018				8.4	3
11/19/2018	0.071	<0.05	0.045 (J)	9.5	3.5
3/11/2019	<0.05	<0.05	<0.05		
3/12/2019				9.7	3
5/28/2019	0.024 (J)	<0.05	<0.05		
5/29/2019				9	3.2
11/18/2019	0.075	0.0094 (IV)	0.036 (V)	9 (J3)	
11/19/2019					4.3 (J3)
5/5/2020	0.11	0.0073 (J)	0.041		
5/6/2020				7.7	3.6
9/29/2020	0.086	<0.05	0.04		
9/30/2020				8.2	3.1
2/9/2021	0.09	<0.05	0.024 (I)	7.5	3
9/16/2021	0.11	<0.05	0.045 (I)		
9/17/2021				7.3	2.8
4/14/2022	0.076	<0.05	0.024 (J)	7.2	2.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-7	MW-6
2/22/2016	23	1.9	12		
2/23/2016				230	450
4/25/2016		1.8	11		
4/26/2016	33			220	440
6/27/2016	29	1.7	7.7		
6/28/2016				180	400
8/29/2016	28	1.7	48	190	220
11/1/2016	36	1.9	49		
11/2/2016				200	350
1/4/2017	36	1.8	44		
1/5/2017				190	240
3/10/2017	37	1.9	46		
3/11/2017				240	390
5/11/2017	31	1.7	43		330
5/12/2017				210	
10/12/2017	32	1.9	45	190	280
3/20/2018	34	1.9			
3/21/2018			45	200	290
6/6/2018	30	1.8	32		
6/8/2018				200	290
11/19/2018	38	1.8	20	380	240
3/11/2019	31	1.9	16		
3/12/2019				430	260
5/28/2019	37	2.1	35		
5/29/2019				440	250
11/18/2019	30	1.9	44		240
11/19/2019				360	
5/5/2020	31	2.3	13		
5/6/2020				290	180
9/29/2020	41	2.6	9.6		
9/30/2020				270	220
2/9/2021	26	2.4	9.1	250	230
9/16/2021	250 (O)	2.6	6.9		
9/17/2021				350	230
4/14/2022	30	2.8	17	340	220

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	140	11	15		
2/23/2016				3500	1500
4/25/2016		10	18		
4/26/2016	190			4200	1600
6/27/2016	170	11	17		
6/28/2016				4000	1600
8/29/2016	180	11	16	3300	1600
11/1/2016	230	11	11		
11/2/2016				3600	1700
1/4/2017	220	11	11		
1/5/2017				2900	1400
3/10/2017	210	11	14		
3/11/2017				3500	1500
5/11/2017	200	12	11	3600	
5/12/2017					1600
10/12/2017	190	12	12	3000	1400
3/20/2018	190	11			
3/21/2018			9.3	2900	1300
6/6/2018	190	11	13		
6/8/2018				2900	1400
11/19/2018	210	19.9 (D)	13	3200	3300
3/11/2019	190	13	12		
3/12/2019				2900	3300
5/28/2019	190	13	13		
5/29/2019				2800	3400
11/18/2019	210	14	12	3000	
11/19/2019					3400
5/5/2020	200	15	13		
5/6/2020				2500	2600
9/29/2020	200	16	14		
9/30/2020				2400	1900
2/9/2021	150	15	20	2500	2000
9/16/2021	160	15	11		
9/17/2021				2900	2400
4/14/2022	180	16	12	2700	2900

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	0.09 (J)	0.04 (J)	0.06 (J)		
2/23/2016				0.085 (J)	0.047 (J)
4/25/2016		<0.1	0.04 (J)		
4/26/2016	0.08 (J)			0.05 (J)	0.04 (J)
6/27/2016	0.08 (J)	<0.1	0.04 (J)		
6/28/2016				0.05 (J)	<0.1
8/29/2016	0.09 (J)	0.04 (J)	0.16	<0.1	0.04 (J)
11/1/2016	0.08 (J)	<0.1	0.17		
11/2/2016				<0.1	<0.1
1/4/2017	0.1	<0.1	0.23		
1/5/2017				<0.1	<0.1
3/10/2017	0.1	<0.1	0.21		
3/11/2017				0.04 (J)	<0.1
5/11/2017	0.1	<0.1	0.23	0.04 (J)	
5/12/2017					0.04 (J)
10/12/2017	0.12	<0.1	0.27	0.04	<0.1
3/20/2018	0.12	<0.1			
3/21/2018			0.28	0.05 (J)	<0.1
6/6/2018	0.12	0.04 (J)	0.19		
6/8/2018				0.05 (J)	<0.1
11/19/2018	0.13	0.04 (J)	0.12	0.04 (J)	<0.1
3/11/2019	0.12	0.04 (J)	0.08 (J)		
3/12/2019				0.05 (J)	<0.1
5/28/2019	0.13	0.04 (J)	0.13		
5/29/2019				0.05 (J)	<0.1
11/18/2019	0.14	<0.1	0.17	0.05 (I)	
11/19/2019					<0.1
5/5/2020	0.15 (V)	0.05 (J)	0.09 (J)		
5/6/2020				<0.1	<0.1
9/29/2020	0.15	<0.1	0.06		
9/30/2020				<0.1	<0.1
2/9/2021	0.11	<0.1	0.06 (I)	0.04 (I)	<0.1
9/16/2021	0.11	<0.1	<0.1		
9/17/2021				<0.1	<0.1
4/14/2022	0.12	<0.1	0.14	<0.1	<0.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	<5	<5	6.3		
2/23/2016				480	320
4/25/2016		1.4 (J)	6.1		
4/26/2016	<5			780	570
6/27/2016	1.6 (J)	<5	6.6		
6/28/2016				680	580
8/29/2016	<5	<5	4.5 (J)	470 (J)	630
11/1/2016	<5	<5	<5		
11/2/2016				530	570
1/4/2017	<5	<5 (*)	<5 (*)		
1/5/2017				490	640
3/10/2017	<5	<5	2.3 (J)		
3/11/2017				660	710
5/11/2017	<5	<5	<5	570	
5/12/2017					600
10/12/2017	<5	<5	<5	520	670
3/20/2018	1.8 (J)	<5			
3/21/2018			<5	530	720
6/6/2018	2.3 (J)	<5	4.8 (J)		
6/8/2018				560	750
11/19/2018	2.2 (J)	7.473 (oD)	4.4 (J)	520	910
3/11/2019	1.5 (J)	<5	5.2		
3/12/2019				510	870
5/28/2019	3 (J)	<5	4.3 (J)		
5/29/2019				460	870
11/18/2019	<5	<5	2.8 (I)	350	
11/19/2019					650
5/5/2020	<5	<5	4.4 (J)		
5/6/2020				320	550
9/29/2020	3.3	<5	4.8		
9/30/2020				430	630
2/9/2021	<5	<5	9.2	360	420
9/16/2021	<5	<5	5		
9/17/2021				300	320
4/14/2022	18	3 (J)	9.6	370	520

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/13/2023 1:03 PM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-7	MW-6
2/22/2016	410	74	46		
2/23/2016				3700	7600
5/11/2016	410	200	42	3700	7500
6/27/2016	4200 (O)	42	24		
6/28/2016				3700	7600
8/29/2016	490	200	42	3300	5100
11/1/2016	540	220	64		
11/2/2016				3800	6500
1/4/2017	520	140	44		
1/5/2017				3500	5500
3/10/2017	490	160	16		
3/11/2017				3500	7000
5/11/2017	490	190	42		6000
5/12/2017				3300	
10/12/2017	470	150	30	3000	5500
3/20/2018	510		12		
3/21/2018		150		3400	5400
6/6/2018	460	160	46		
6/8/2018				3200	6100
11/19/2018	490	88 (D)	22	6500	5500
3/11/2019	440	72	12		
3/12/2019				6800	5400
5/28/2019	540	140	110		
5/29/2019				8600	5800
11/18/2019	560	170	52		6000
11/19/2019				8200	
5/5/2020	430	54	34		
5/6/2020				6100	5000
9/29/2020	580	40	36		
9/30/2020				4300	5600
2/9/2021	500	130	66	4200	5300
9/16/2021	430	50	76		
9/17/2021				5600	5000
4/14/2022	480	64	68	5100	4800

FIGURE E.

Intrawell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:07 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Lim.Date</u>	<u>Observ.</u>	<u>Sig. Bg</u>	<u>N Bg</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
pH, Field (SU)	MW-7	6.413	5.999	4/14/2022	6.48	Yes	12	6.206	0.1061	0	None	No	0.001878	Param Intra 1 of 2

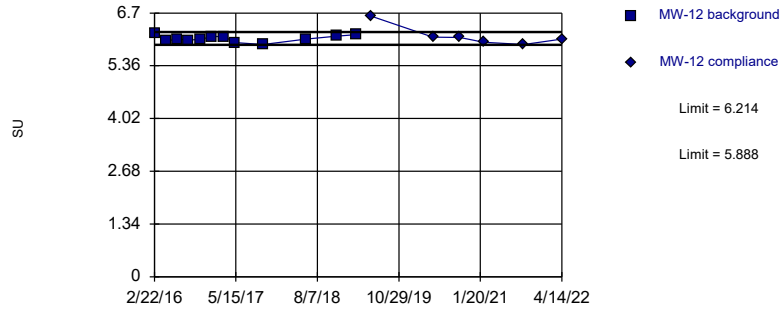
Intrawell Prediction Limits - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	MW-12	6.214	5.888	4/14/2022	6.04	No	12	6.051	0.08339	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-2	7.353	5.354	4/14/2022	5.9	No	12	6.353	0.512	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-3	5.193	4.724	4/14/2022	4.85	No	12	4.958	0.1201	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-6	5.781	4.55	4/14/2022	5.52	No	12	5.166	0.3153	0	None	No	0.001878	Param Intra 1 of 2
pH, Field (SU)	MW-7	6.413	5.999	4/14/2022	6.48	Yes	12	6.206	0.1061	0	None	No	0.001878	Param Intra 1 of 2

Within Limits

Prediction Limit
Intrawell Parametric

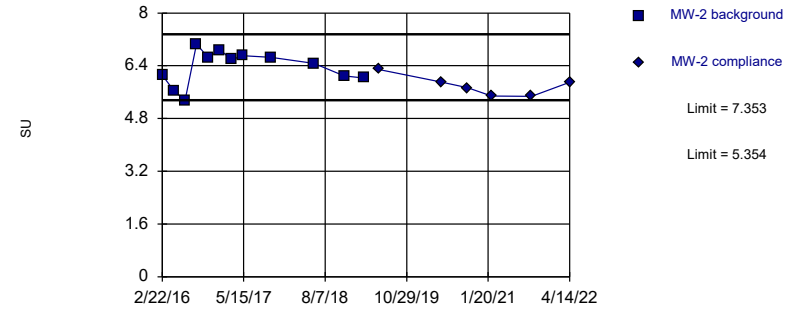


Background Data Summary: Mean=6.051, Std. Dev.=0.08339, n=12. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9827, critical = 0.859. Kappa = 1.952 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 1:04 PM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric

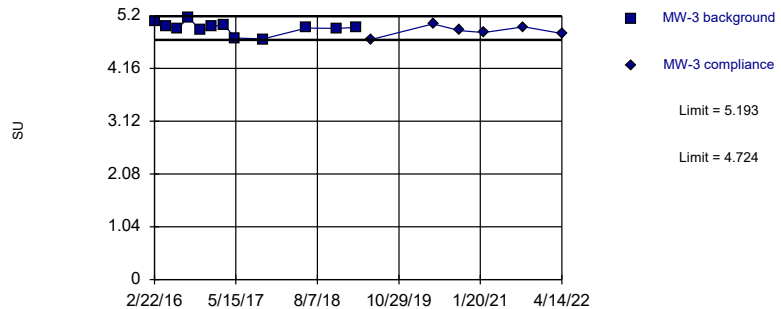


Background Data Summary: Mean=6.353, Std. Dev.=0.512, n=12. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.94, critical = 0.859. Kappa = 1.952 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 1:04 PM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric

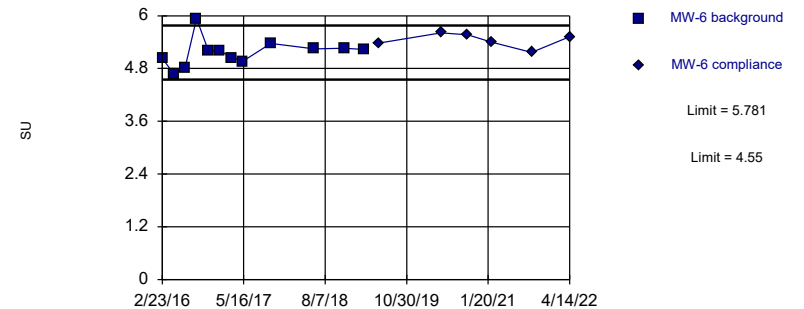


Background Data Summary: Mean=4.958, Std. Dev.=0.1201, n=12. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9322, critical = 0.859. Kappa = 1.952 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 1:04 PM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric

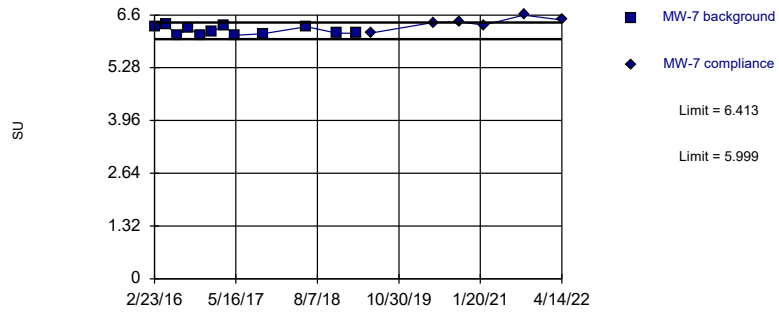


Background Data Summary: Mean=5.166, Std. Dev.=0.3153, n=12. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9049, critical = 0.859. Kappa = 1.952 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 1:04 PM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limits

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=6.206, Std. Dev.=0.1061, n=12. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8598, critical = 0.859. Kappa = 1.952 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 1:04 PM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 1:07 PM View: Appendix III - IntraWell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12	MW-12
2/22/2016	6.19 (B01)	
4/26/2016	5.99 (B02)	
6/27/2016	6.04 (B03)	
8/29/2016	6.01 (B04)	
11/1/2016	6.03 (B05)	
1/4/2017	6.1 (B06)	
3/10/2017	6.1 (B07)	
5/11/2017	5.95 (B08)	
10/12/2017	5.9	
6/6/2018	6.04	
11/19/2018	6.11	
3/11/2019	6.15	
5/28/2019		6.62
5/5/2020		6.09
9/29/2020		6.08
2/9/2021		5.96
9/16/2021		5.9
4/14/2022		6.04

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 1:07 PM View: Appendix III - IntraWell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2	MW-2
2/22/2016	6.11 (B01)	
4/25/2016	5.65 (B02)	
6/27/2016	5.35 (B03)	
8/29/2016	7.06 (B04)	
11/1/2016	6.65 (B05)	
1/4/2017	6.88 (B06)	
3/10/2017	6.59 (B07)	
5/11/2017	6.7 (B08)	
10/12/2017	6.66	
6/6/2018	6.47	
11/19/2018	6.09	
3/11/2019	6.03	
5/28/2019		6.29
5/5/2020		5.91
9/29/2020		5.73
2/9/2021		5.48
9/16/2021		5.47
4/14/2022		5.9

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 1:07 PM View: Appendix III - IntraWell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-3	MW-3
2/22/2016	5.09 (B01)	
4/25/2016	5 (B02)	
6/27/2016	4.94 (B03)	
8/29/2016	5.17 (B04)	
11/1/2016	4.91 (B05)	
1/4/2017	4.99 (B06)	
3/10/2017	5.02 (B07)	
5/11/2017	4.76 (B08)	
10/12/2017	4.74	
6/6/2018	4.96	
11/19/2018	4.95	
3/11/2019	4.97	
5/28/2019		4.73
5/5/2020		5.04
9/29/2020		4.91
2/9/2021		4.87
9/16/2021		4.98
4/14/2022		4.85

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 1:07 PM View: Appendix III - Intrawell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-6
2/23/2016	5.03 (B01)	
4/26/2016	4.68 (B02)	
6/28/2016	4.82 (B03)	
8/29/2016	5.94 (B04)	
11/2/2016	5.2 (B05)	
1/5/2017	5.2 (B06)	
3/11/2017	5.05 (B07)	
5/11/2017	4.96 (B08)	
10/12/2017	5.37	
6/8/2018	5.25	
11/19/2018	5.26	
3/12/2019	5.23	
5/29/2019		5.38
5/6/2020		5.61
9/30/2020		5.57
2/9/2021		5.4
9/17/2021		5.17
4/14/2022		5.52

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 1:07 PM View: Appendix III - Inrawell
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-7	MW-7
2/23/2016	6.32 (B01)	
4/26/2016	6.36 (B02)	
6/28/2016	6.09 (B03)	
8/29/2016	6.27 (B04)	
11/2/2016	6.09 (B05)	
1/5/2017	6.18 (B06)	
3/11/2017	6.34 (B07)	
5/12/2017	6.09 (B08)	
10/12/2017	6.13	
6/8/2018	6.31	
11/19/2018	6.15	
3/12/2019	6.14	
5/29/2019		6.15
5/6/2020		6.41
9/30/2020		6.43
2/9/2021		6.35
9/17/2021		6.6
4/14/2022		6.48

FIGURE F.

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron, total (mg/L)	MW-7	0.1542	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.1299	111	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-34.1	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8995	126	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-208.9	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-48.13	-106	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-335	-103	-81	Yes	20	0	n/a	n/a	0.01	NP

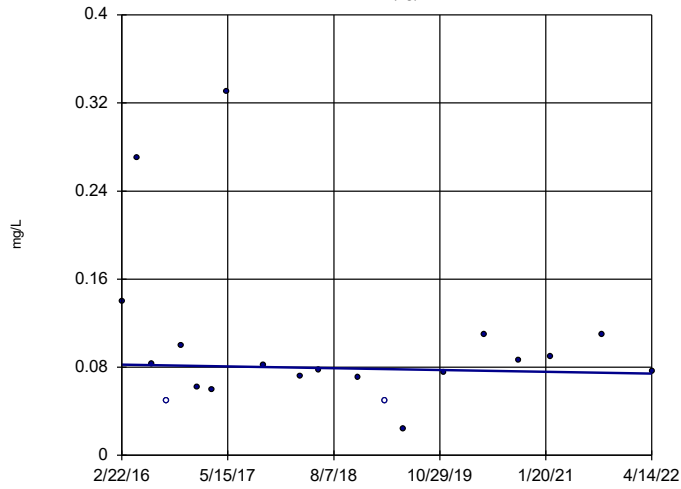
Trend Tests - Prediction Limit Exceedances - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:22 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.001354	-10	-81	No	20	10	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001044	-39	-81	No	20	40	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-24	-81	No	20	85	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-6	-0.2565	-69	-81	No	20	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-7	0.1542	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.3554	13	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.172	-62	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.1299	111	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-34.1	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	21.48	78	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	0	-12	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.2766	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8995	126	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-208.9	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-7	181.9	66	81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-12 (bg)	-0.002999	-6	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-2 (bg)	-0.1932	-61	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-3 (bg)	-0.02147	-46	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (SU)	MW-7	0.02932	55	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	10	81	No	20	60	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.03604	-19	-81	No	20	25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-1	-74	No	19	89.47	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-48.13	-106	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-7	10.73	12	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	2.549	14	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-18.96	-72	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	3.085	35	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-335	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-7	260.5	51	81	No	20	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-12 (bg)

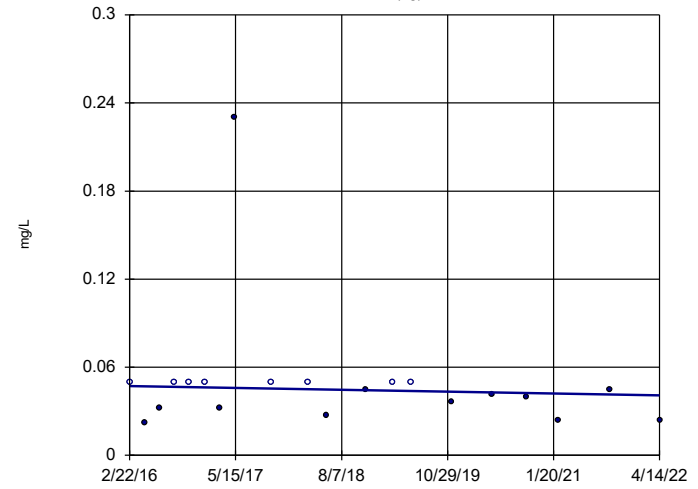


n = 20
Slope = -0.001354
units per year.
Mann-Kendall
statistic = -10
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

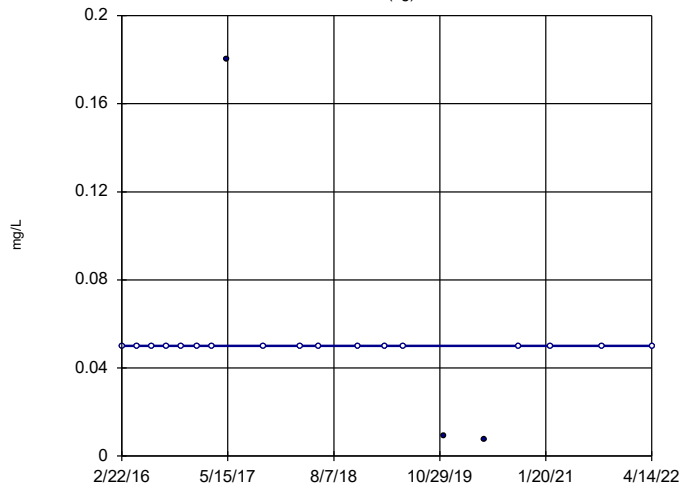


n = 20
Slope = -0.001044
units per year.
Mann-Kendall
statistic = -39
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

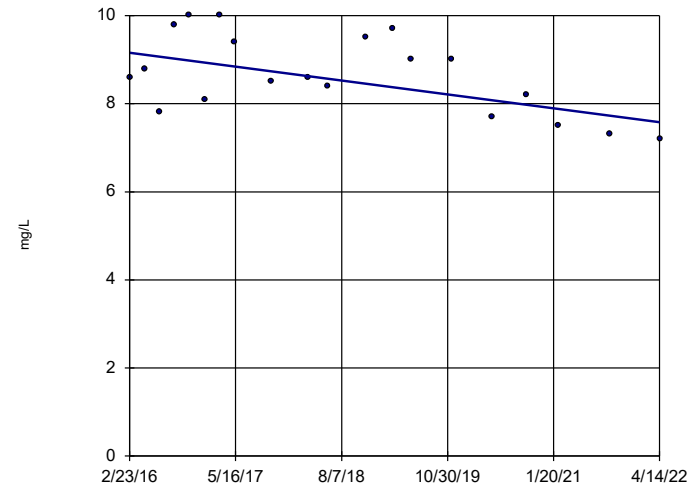


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -24
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-6

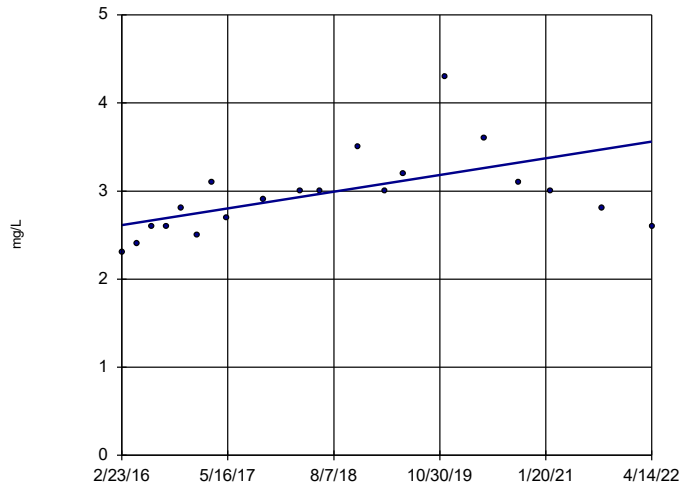


n = 20
Slope = -0.2565
units per year.
Mann-Kendall
statistic = -69
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

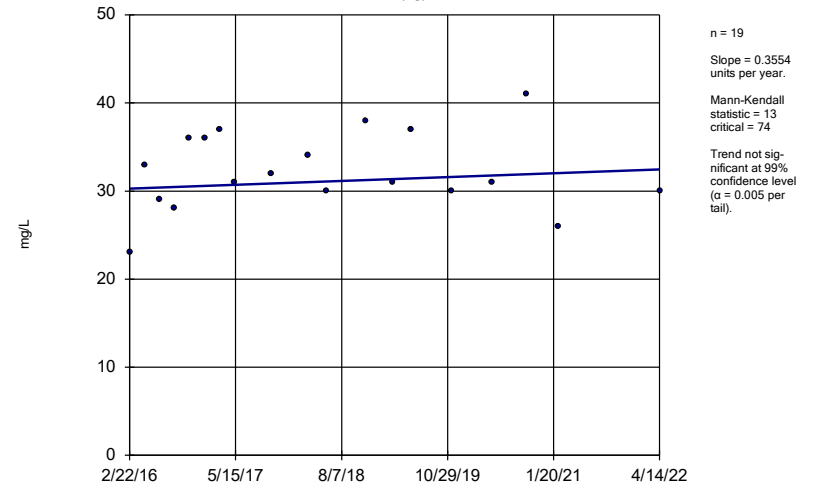
MW-7



Constituent: Boron, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

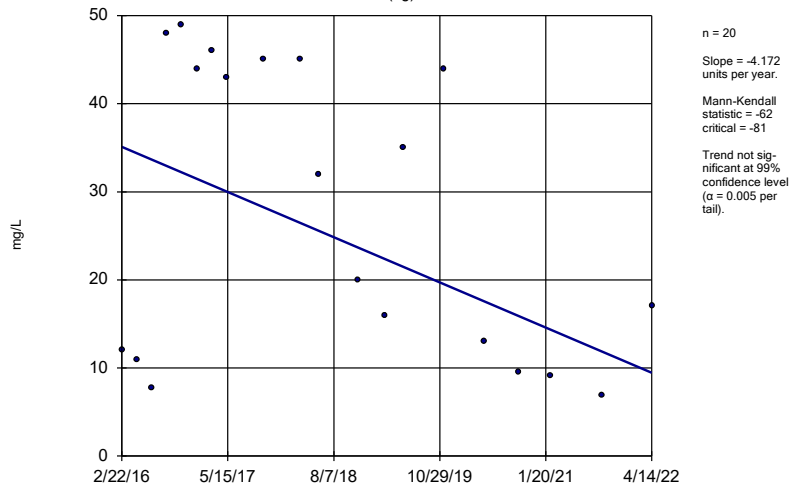
MW-12 (bg)



Constituent: Calcium, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

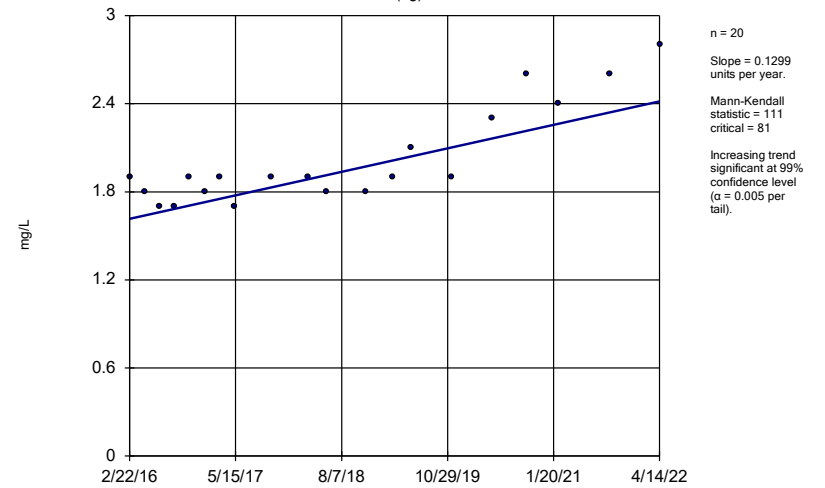
MW-2 (bg)



Constituent: Calcium, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

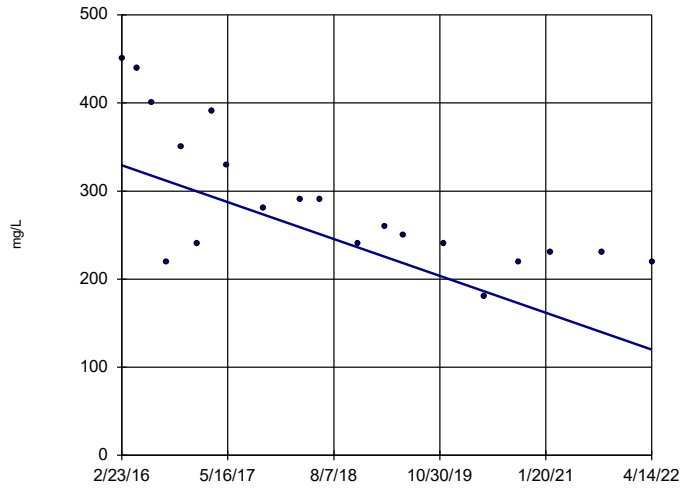
MW-3 (bg)



Constituent: Calcium, total Analysis Run 1/13/2023 1:12 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-6

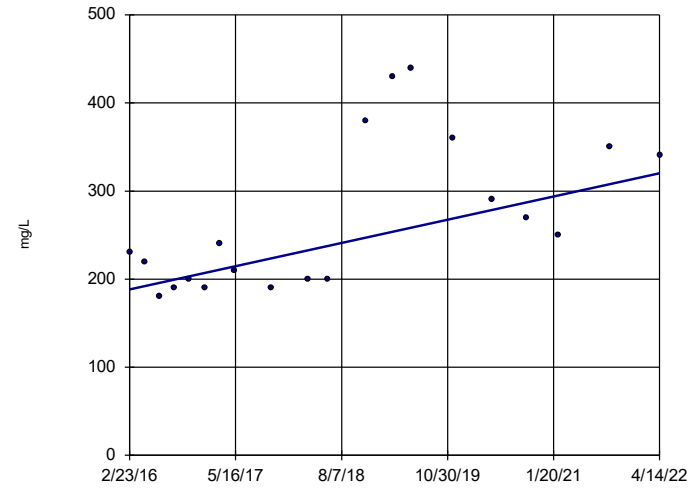


n = 20
 Slope = -34.1 units per year.
 Mann-Kendall statistic = -120
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-7

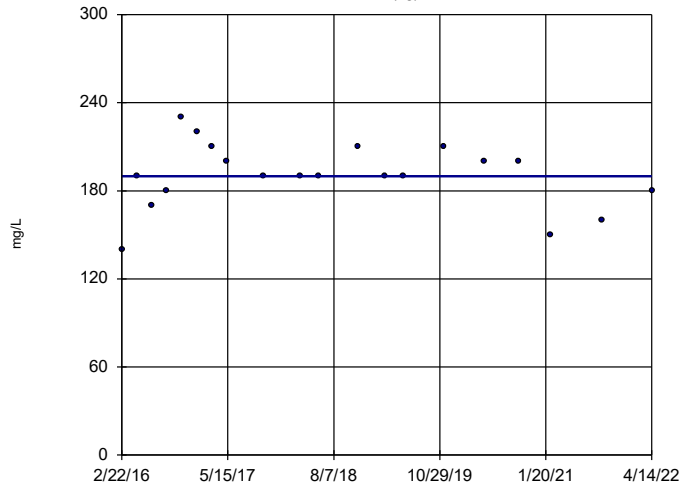


n = 20
 Slope = 21.48 units per year.
 Mann-Kendall statistic = 78
 critical = 81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

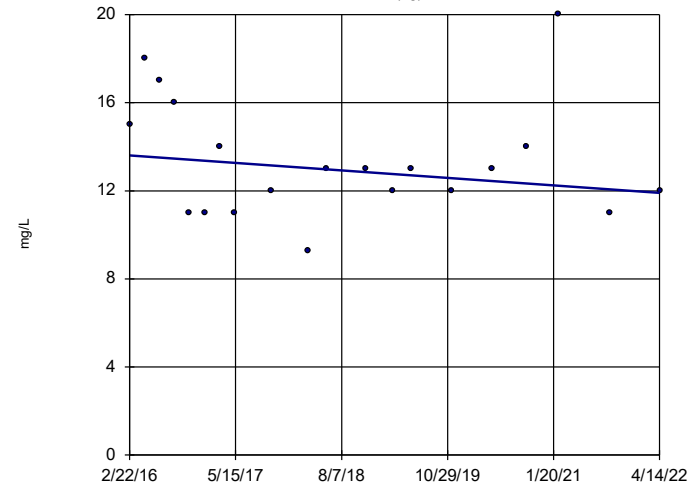


n = 20
 Slope = 0 units per year.
 Mann-Kendall statistic = -12
 critical = -81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

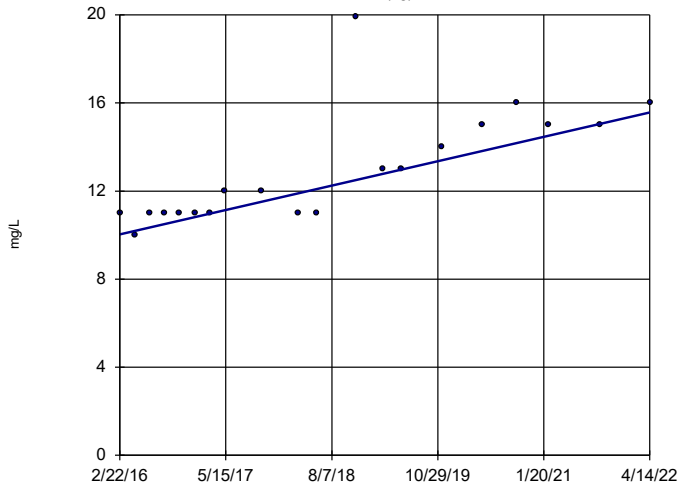


n = 20
 Slope = -0.2766 units per year.
 Mann-Kendall statistic = -25
 critical = -81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

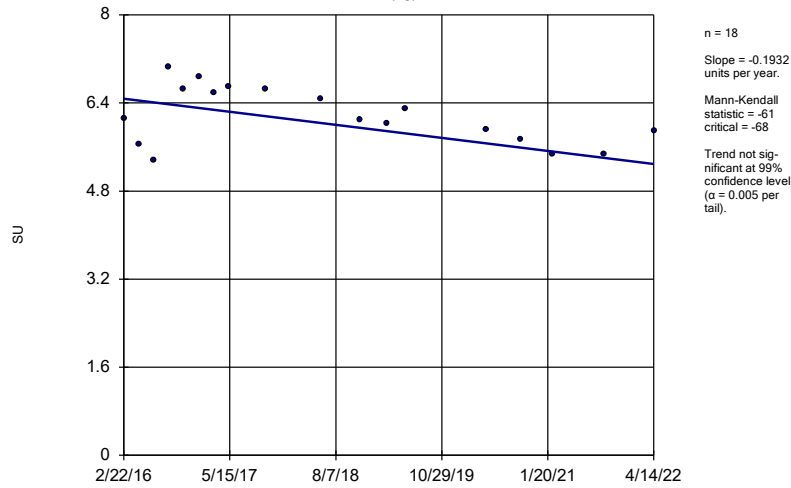
Sen's Slope Estimator

MW-3 (bg)



Sen's Slope Estimator

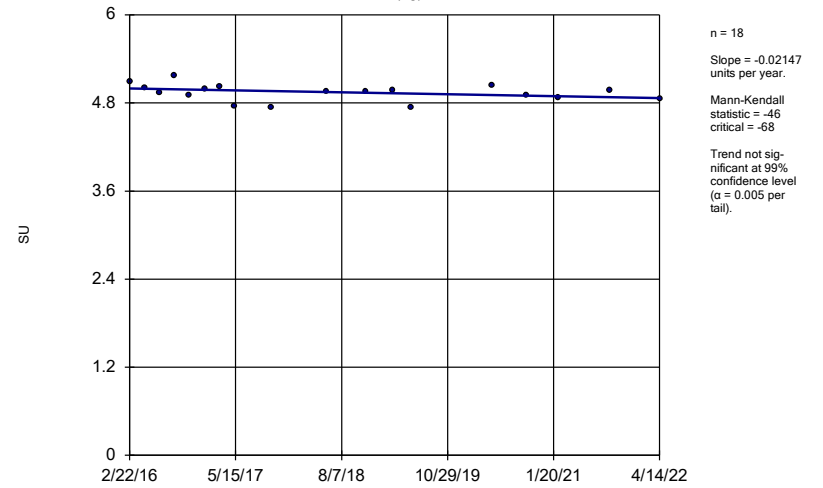
MW-2 (bg)



Constituent: pH, Field Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

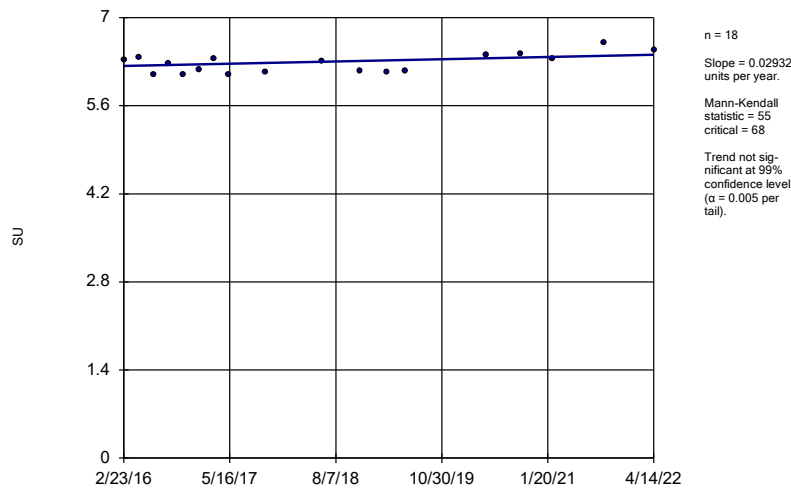
MW-3 (bg)



Constituent: pH, Field Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

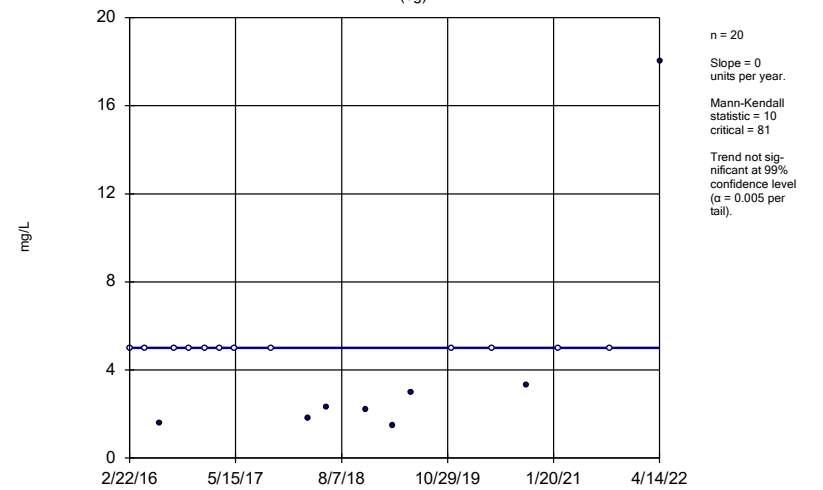
MW-7



Constituent: pH, Field Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

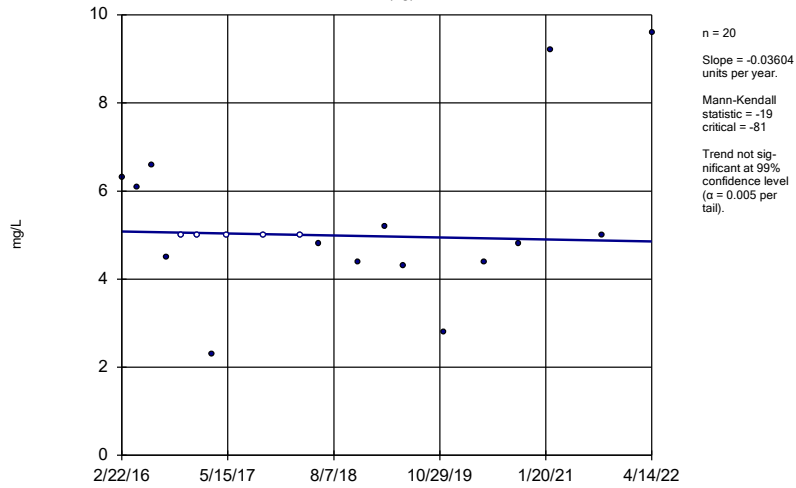
MW-12 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

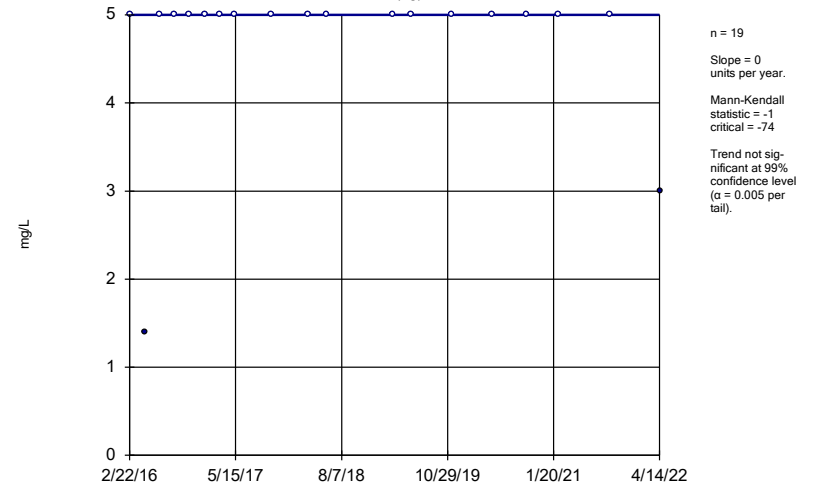
MW-2 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

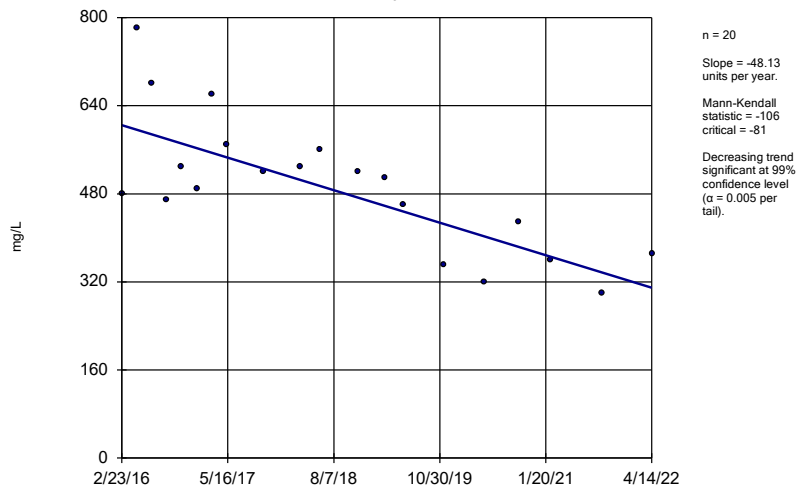
MW-3 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

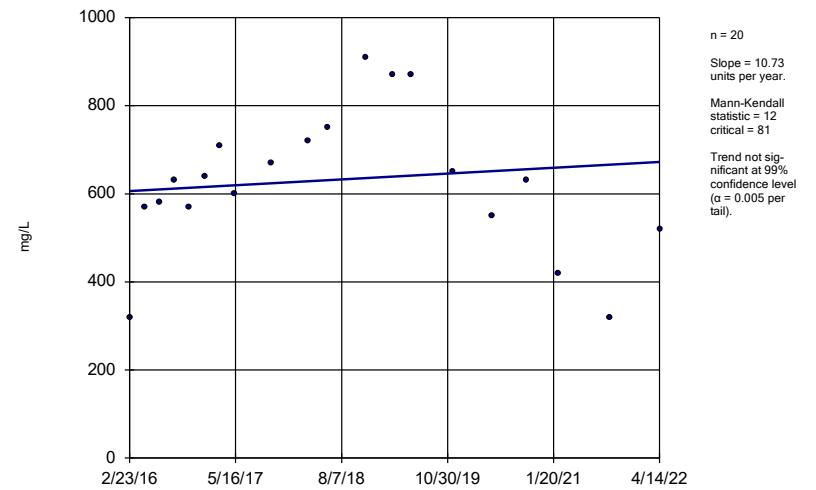
MW-6



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

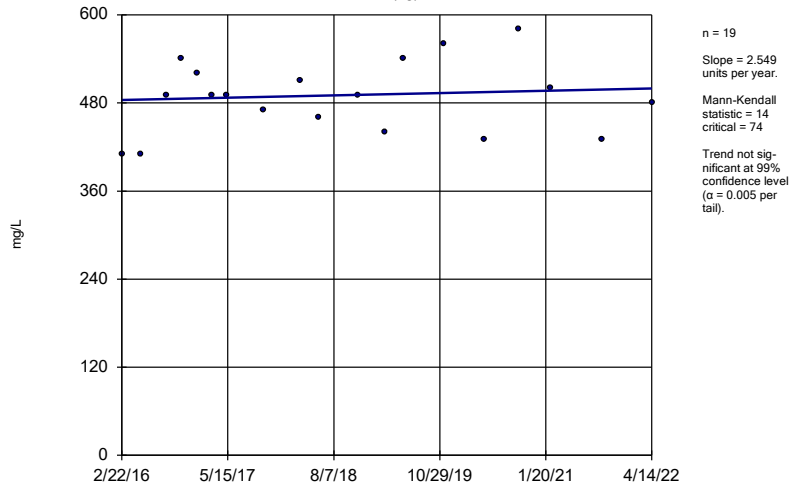
MW-7



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

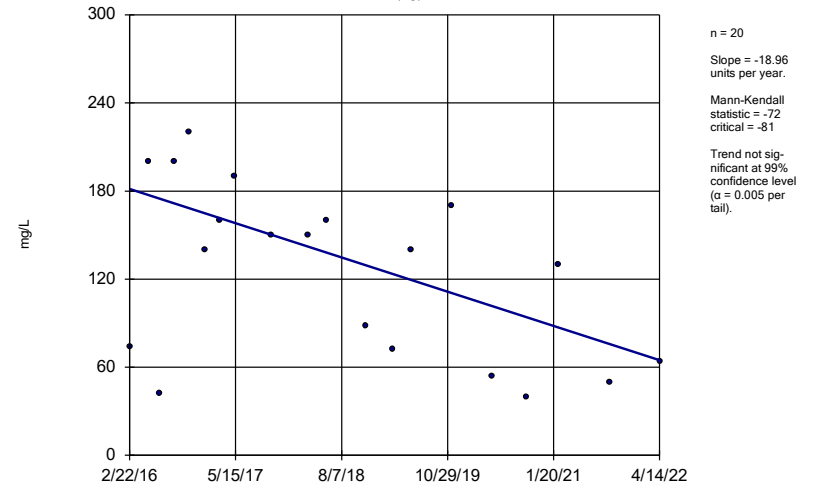
MW-12 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

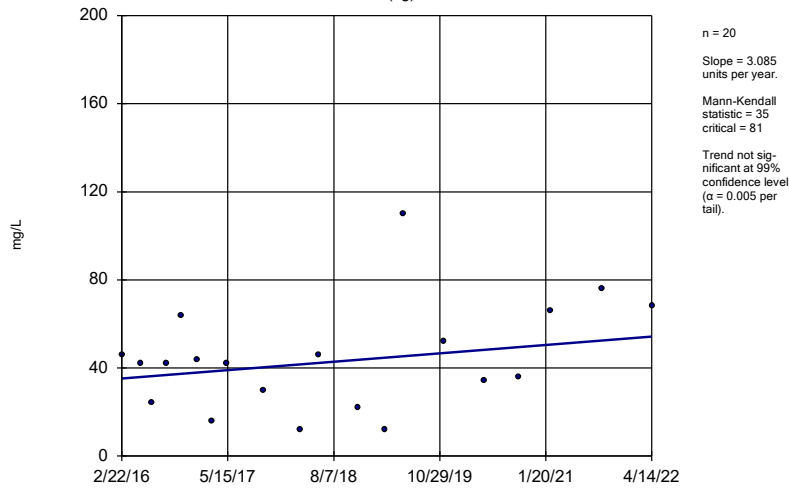
MW-2 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

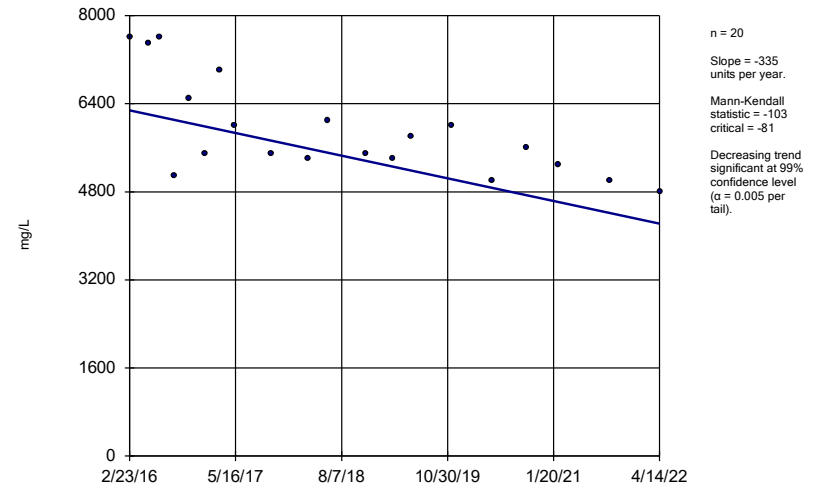
MW-3 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

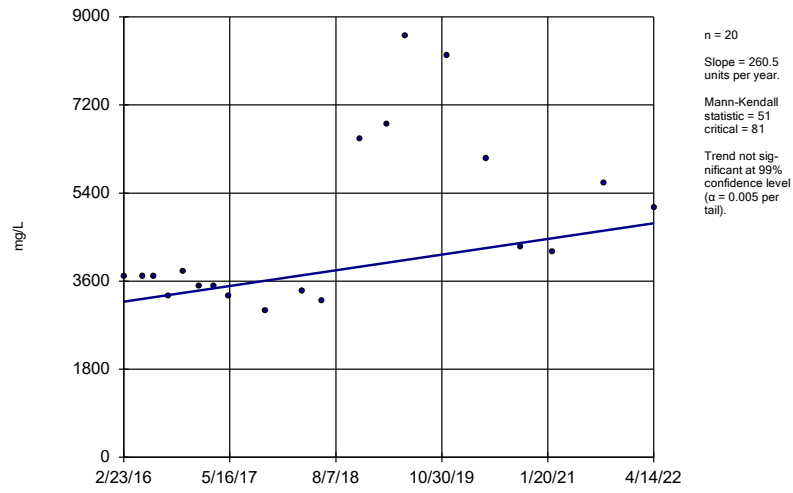
MW-6



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-7



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 1:13 PM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE G.

Upper Tolerance Limits

Plant Smith Client: Geosyntec Data: Plant Smith CCR Printed 6/13/2022, 11:01 AM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Bg N</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.0025	45	n/a	100	n/a	0.09944	NP Inter(NDs)
Arsenic (mg/L)	0.0014	57	n/a	94.74	n/a	0.05373	NP Inter(NDs)
Barium (mg/L)	0.02777	57	0.005312	5.263	No	0.05	Inter
Beryllium (mg/L)	0.0025	54	n/a	94.44	n/a	0.06267	NP Inter(NDs)
Cadmium (mg/L)	0.0025	44	n/a	100	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	0.012	57	n/a	47.37	n/a	0.05373	NP Inter(normality)
Cobalt (mg/L)	0.0025	50	n/a	100	n/a	0.07694	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.64	57	n/a	0	n/a	0.05373	NP Inter(normality)
Fluoride (mg/L)	0.28	60	n/a	23.33	n/a	0.04607	NP Inter(normality)
Lead (mg/L)	0.0013	51	n/a	96.08	n/a	0.0731	NP Inter(NDs)
Lithium (mg/L)	0.025	56	n/a	17.86	n/a	0.05656	NP Inter(normality)
Mercury (mg/L)	0.0002	45	n/a	97.78	n/a	0.09944	NP Inter(NDs)
Molybdenum (mg/L)	0.015	57	n/a	96.49	n/a	0.05373	NP Inter(NDs)
Selenium (mg/L)	0.0013	50	n/a	94	n/a	0.07694	NP Inter(NDs)
Thallium (mg/L)	0.0005	44	n/a	100	n/a	0.1047	NP Inter(NDs)

FIGURE H.

PLANT SMITH 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		0.0014	0.01
Barium, Total (mg/L)	2		0.028	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		0.012	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		4.64	5
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0013	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE I.

Confidence Interval Summary Table - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:36 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Combined Radium 226 + 228 (pCi/L)	MW-6	30.3	24.14	5	Yes	19	27.37	5.498	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	36.61	25.5	5	Yes	19	31.49	10.02	0	None	sqrt(x)	0.01	Param.

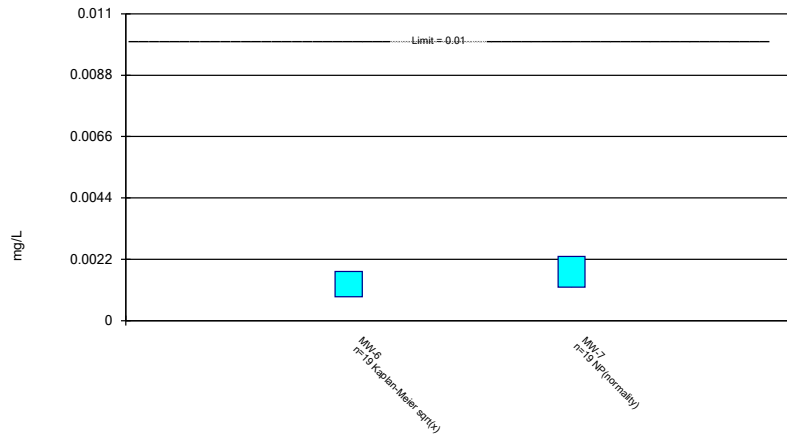
Confidence Interval Summary Table - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 1:36 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-6	0.001765	0.0008588	0.01	No	19	0.001465	0.0008065	26.32	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-7	0.0023	0.0012	0.01	No	19	0.001873	0.001057	26.32	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07188	0.0611	2	No	19	0.066	0.009961	5.263	None	x^2	0.01	Param.
Barium (mg/L)	MW-7	0.1115	0.06762	2	No	19	0.08958	0.0375	5.263	None	No	0.01	Param.
Beryllium (mg/L)	MW-6	0.0014	0.0008259	0.004	No	18	0.001442	0.0006551	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	MW-7	0.0025	0.00022	0.004	No	18	0.002246	0.0007406	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-6	0.0025	0.0013	0.1	No	18	0.002433	0.0002828	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-7	0.005	0.0013	0.1	No	18	0.003567	0.001845	38.89	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-7	0.0025	0.00029	0.006	No	17	0.00237	0.000536	94.12	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-6	30.3	24.14	5	Yes	19	27.37	5.498	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	36.61	25.5	5	Yes	19	31.49	10.02	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MW-6	0.1	0.04	4	No	20	0.06675	0.02677	35	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-7	0.1	0.047	4	No	20	0.08835	0.02395	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.01973	0.01101	0.04	No	18	0.01537	0.007203	5.556	None	No	0.01	Param.
Lithium (mg/L)	MW-7	0.005	0.002	0.04	No	18	0.00415	0.001377	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-6	0.015	0.0011	0.1	No	19	0.01427	0.003189	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-7	0.015	0.005	0.1	No	19	0.009547	0.004903	31.58	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-6	0.0013	0.0012	0.05	No	17	0.001117	0.0003929	76.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-7	0.0013	0.00062	0.05	No	17	0.001081	0.000413	76.47	None	No	0.01	NP (NDs)

Parametric and Non-Parametric (NP) Confidence Interval

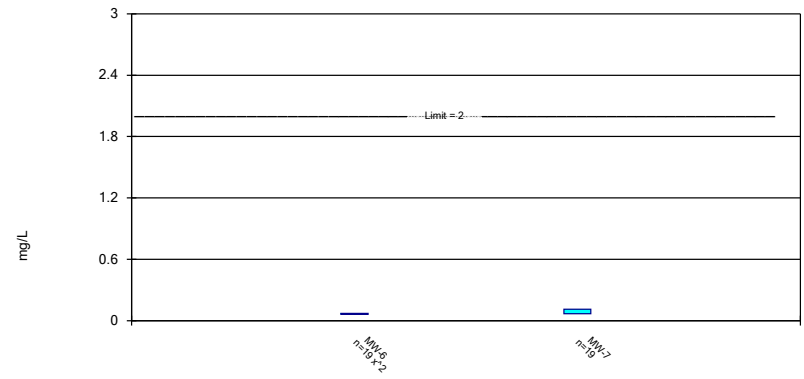
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric Confidence Interval

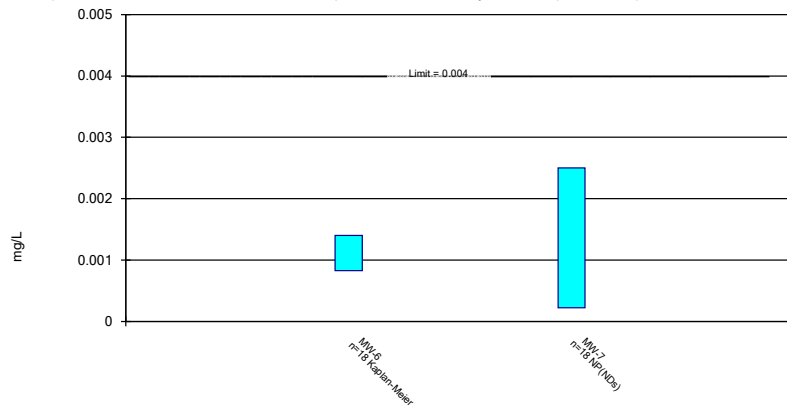
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

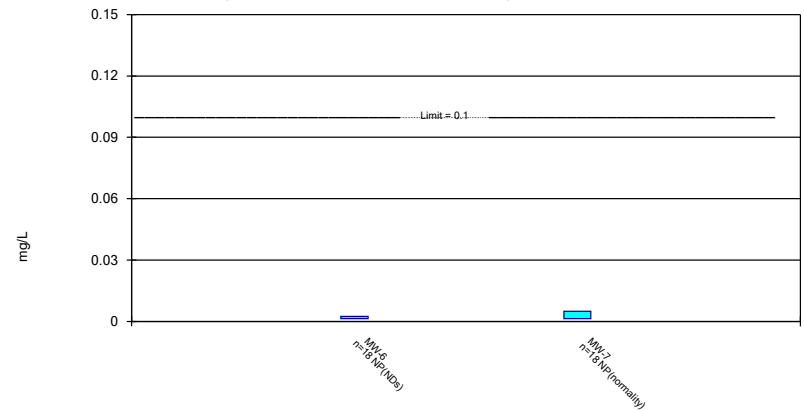
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

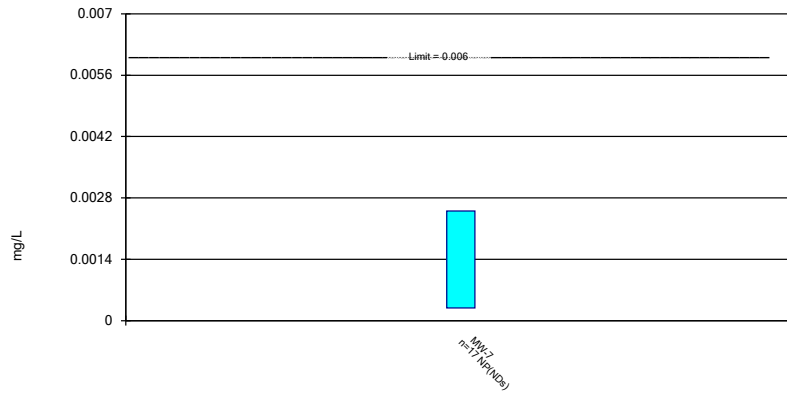
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

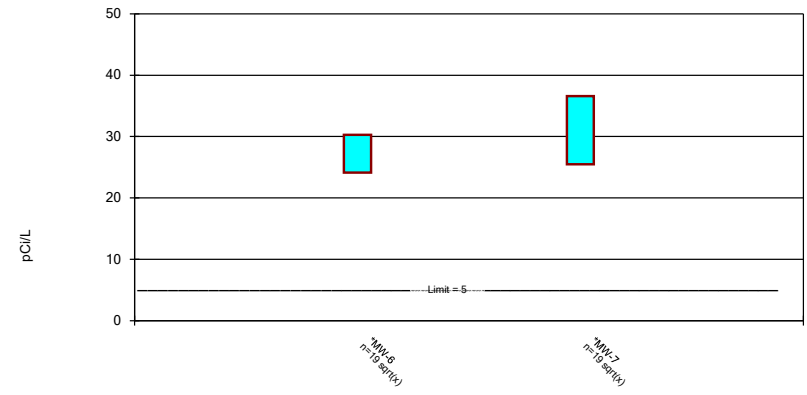
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric Confidence Interval

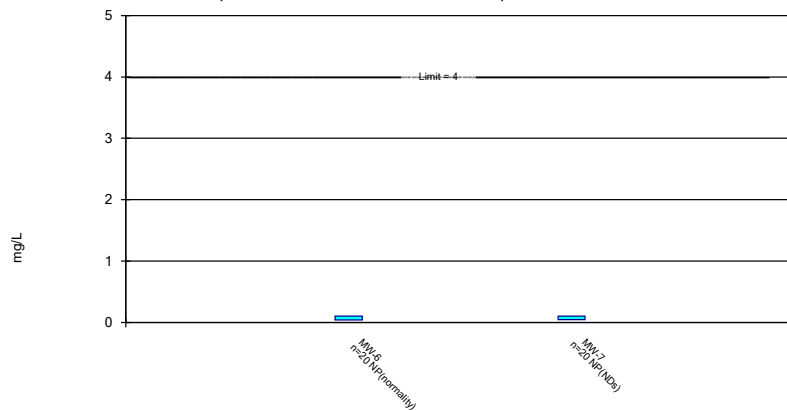
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

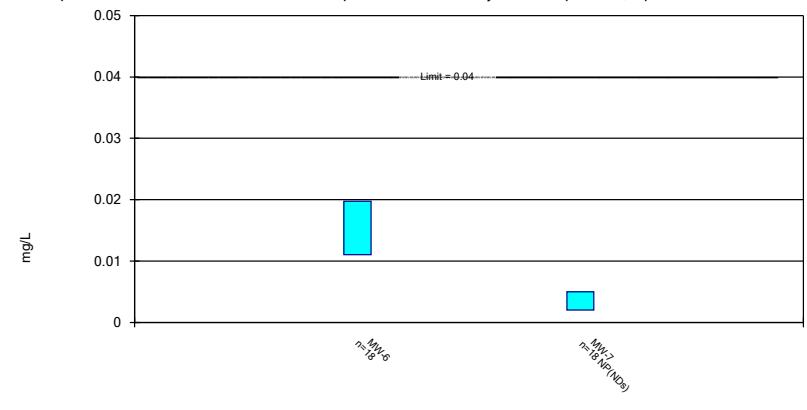
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride, total Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

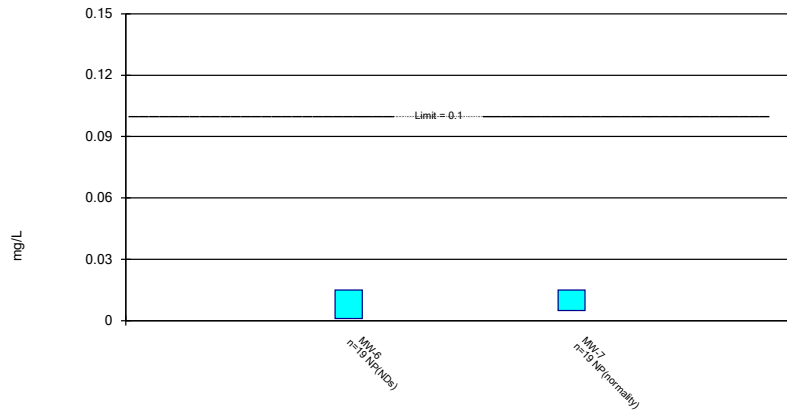
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

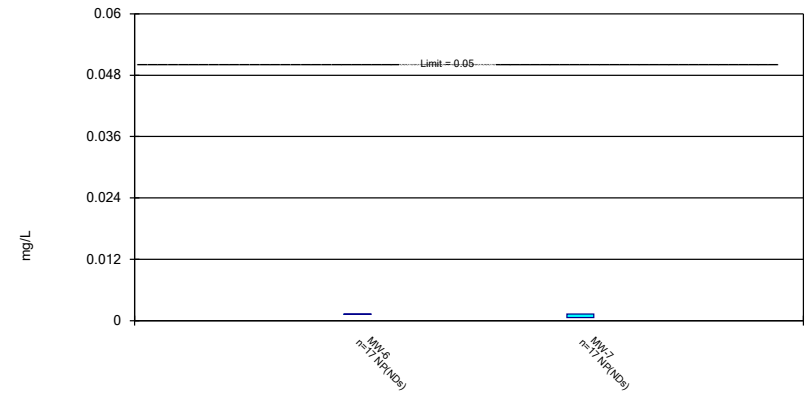
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 1/13/2023 1:34 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0013	<0.0013
4/26/2016	<0.0013	<0.0013
6/28/2016	0.0014	0.0014
8/29/2016	0.00095 (J)	0.001 (J)
11/2/2016	0.0012 (J)	0.0022
1/5/2017	0.0017	0.0023
3/11/2017	<0.0013 (*)	<0.0013 (*)
5/11/2017	0.0009 (J)	
5/12/2017		0.0015
3/21/2018	0.00048 (J)	0.0014
6/8/2018	0.0009 (J)	0.0022
11/19/2018	0.00075 (J)	0.0018
3/12/2019	0.00079 (J)	0.0012 (J)
5/29/2019	<0.0013	0.00099 (J)
11/18/2019	0.0031	
11/19/2019		0.0051
5/6/2020	0.0034	<0.0013
9/30/2020	0.00096	0.0015
2/9/2021	0.0021	0.0025
9/17/2021	0.0027	0.004
4/14/2022	<0.0013	<0.0013
Mean	0.001465	0.001873
Std. Dev.	0.0008065	0.001057
Upper Lim.	0.001765	0.0023
Lower Lim.	0.0008588	0.0012

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.072 (*)	<0.056 (*)
4/26/2016	0.076	0.059
6/28/2016	0.066	0.055
8/29/2016	0.073	0.059
11/2/2016	0.076	0.069
1/5/2017	0.072	0.067
3/11/2017	0.07	0.071
5/11/2017	0.067	
5/12/2017		0.065
3/21/2018	0.06	0.061
6/8/2018	0.058	0.06
11/19/2018	0.062	0.14
3/12/2019	0.06	0.15
5/29/2019	0.065	0.16
11/18/2019	0.06	
11/19/2019		0.12
5/6/2020	0.068	0.12
9/30/2020	0.064	0.093
2/9/2021	0.065	0.085
9/17/2021	0.071	0.12
4/14/2022	0.085	0.12
Mean	0.066	0.08958
Std. Dev.	0.009961	0.0375
Upper Lim.	0.07188	0.1115
Lower Lim.	0.0611	0.06762

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.0022 (J)	<0.0025
4/26/2016	0.0017 (J)	<0.0025
6/28/2016	0.0017 (J)	<0.0025
8/29/2016	<0.0025	<0.0025
11/2/2016	0.00087 (J)	<0.0025
1/5/2017	0.00039 (J)	<0.0025
3/11/2017	0.0014 (J)	<0.0025
5/11/2017	0.00093 (J)	
5/12/2017		<0.0025
3/21/2018	0.0014 (J)	<0.0025
6/8/2018	0.0014 (J)	<0.0025
11/19/2018	0.0016 (J)	<0.0025
3/12/2019	0.0012 (J)	<0.0025
11/18/2019	0.00098 (J)	
11/19/2019		0.00022 (J)
5/6/2020	0.00049 (J)	0.0002 (J)
9/30/2020	0.00089	<0.0025
2/9/2021	<0.0025	<0.0025
9/17/2021	0.0013 (I)	<0.0025
4/14/2022	<0.0025	<0.0025
Mean	0.001442	0.002246
Std. Dev.	0.0006551	0.0007406
Upper Lim.	0.0014	0.0025
Lower Lim.	0.0008259	0.00022

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0025	<0.005
4/26/2016	<0.0025	<0.005
6/28/2016	<0.0025	<0.005
8/29/2016	<0.0025	<0.005
11/2/2016	<0.0025	<0.005
1/5/2017	<0.0025	<0.005 (*)
3/11/2017	<0.0025	0.0025
5/11/2017	<0.0025	
5/12/2017		0.0011 (J)
3/21/2018	<0.0025	0.0013 (J)
6/8/2018	<0.0025	0.0012 (J)
11/19/2018	<0.0025	0.0016 (J)
3/12/2019	<0.0025	0.0035
5/29/2019	<0.0025	0.0012 (J)
11/18/2019	<0.0025	
11/19/2019		0.0016 (I)
5/6/2020	<0.0025	<0.005
9/30/2020	<0.0025	0.0034
2/9/2021	0.0013 (I)	0.0051
9/17/2021	<0.0025	0.0067
4/14/2022	<0.05 (o)	<0.05 (o)
Mean	0.002433	0.003567
Std. Dev.	0.0002828	0.001845
Upper Lim.	0.0025	0.005
Lower Lim.	0.0013	0.0013

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-7
2/23/2016	<0.0025
4/26/2016	<0.0025
6/28/2016	<0.0025
8/29/2016	<0.0025
11/2/2016	<0.0025
1/5/2017	<0.0025
3/11/2017	<0.0025
5/12/2017	<0.0025
3/21/2018	<0.0025
6/8/2018	<0.0025
11/19/2018	<0.0025
3/12/2019	<0.0025
5/6/2020	0.00029 (J)
9/30/2020	<0.0025
2/9/2021	<0.0025
9/17/2021	<0.0025
4/14/2022	<0.0025
Mean	0.00237
Std. Dev.	0.000536
Upper Lim.	0.0025
Lower Lim.	0.00029

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	32.3	25.8
4/26/2016	39.3	25.4
6/28/2016	40.9	27.5
8/29/2016	18.9	26.7
11/2/2016	32	25.4
1/5/2017	25.1	27.4
3/11/2017	28.8	24.4
5/11/2017	25.5	
5/12/2017		20.7
3/21/2018	24.5	19.3
6/8/2018	26.9	21.6
11/19/2018	27.4	53.5
3/12/2019	25.9	46.3
5/29/2019	24.7	49.7
11/18/2019	24.8	
11/19/2019		42
5/6/2020	21.8	33.8
9/30/2020	26.4	29.1
2/9/2021	22.1	26.8
9/17/2021	27.9	35.2
4/14/2022	24.9	37.8
Mean	27.37	31.49
Std. Dev.	5.498	10.02
Upper Lim.	30.3	36.61
Lower Lim.	24.14	25.5

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.085 (J)	0.047 (J)
4/26/2016	0.05 (J)	0.04 (J)
6/28/2016	0.05 (J)	<0.1
8/29/2016	<0.1	0.04 (J)
11/2/2016	<0.1	<0.1
1/5/2017	<0.1	<0.1
3/11/2017	0.04 (J)	<0.1
5/11/2017	0.04 (J)	
5/12/2017		0.04 (J)
10/12/2017	0.04	<0.1
3/21/2018	0.05 (J)	<0.1
6/8/2018	0.05 (J)	<0.1
11/19/2018	0.04 (J)	<0.1
3/12/2019	0.05 (J)	<0.1
5/29/2019	0.05 (J)	<0.1
11/18/2019	0.05 (I)	
11/19/2019		<0.1
5/6/2020	<0.1	<0.1
9/30/2020	<0.1	<0.1
2/9/2021	0.04 (I)	<0.1
9/17/2021	<0.1	<0.1
4/14/2022	<0.1	<0.1
Mean	0.06675	0.08835
Std. Dev.	0.02677	0.02395
Upper Lim.	0.1	0.1
Lower Lim.	0.04	0.047

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.029	<0.005
4/26/2016	0.019 (J)	<0.005
6/28/2016	0.02	<0.005
8/29/2016	<0.005	<0.005
11/2/2016	0.013	<0.005
1/5/2017	0.0047 (J)	<0.005
3/11/2017	0.018	<0.005
5/11/2017	0.011	
5/12/2017		<0.005
3/21/2018	0.019	0.0023 (J)
6/8/2018	0.014	0.0018 (J)
11/19/2018	0.024	0.0047 (J)
3/12/2019	0.017	0.002 (J)
5/29/2019	0.012	0.002 (J)
11/18/2019	0.028 (I)	
11/19/2019		<0.005
5/6/2020	0.0085	0.0019
9/30/2020	0.01	<0.005
2/9/2021	0.015 (I)	<0.005
9/17/2021	0.012	<0.005
4/14/2022	<0.1 (o)	<0.1 (o)
Mean	0.01537	0.00415
Std. Dev.	0.007203	0.001377
Upper Lim.	0.01973	0.005
Lower Lim.	0.01101	0.002

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.0011 (J)	0.0042 (J)
4/26/2016	<0.015	<0.015
6/28/2016	<0.015	0.0061 (J)
8/29/2016	<0.015	0.005 (J)
11/2/2016	<0.015	0.0066 (J)
1/5/2017	<0.015	0.0087 (J)
3/11/2017	<0.015 (*)	<0.015 (*)
5/11/2017	<0.015	
5/12/2017		<0.015 (*)
3/21/2018	<0.015	0.0058 (J)
6/8/2018	<0.015	0.0067 (J)
11/19/2018	<0.015	<0.015
3/12/2019	<0.015	<0.015
5/29/2019	<0.015	0.0033 (J)
11/18/2019	<0.015	
11/19/2019		0.0068 (I)
5/6/2020	<0.015	0.012
9/30/2020	<0.015	0.0061
2/9/2021	<0.015	0.017
9/17/2021	<0.015	<0.015
4/14/2022	<0.015	0.0031 (J)
Mean	0.01427	0.009547
Std. Dev.	0.003189	0.004903
Upper Lim.	0.015	0.015
Lower Lim.	0.0011	0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/13/2023 1:36 PM View: Appendix IV

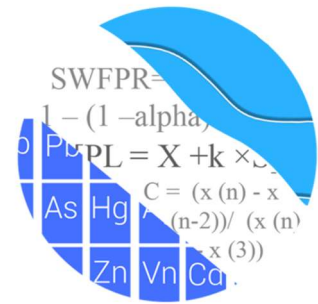
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0013	<0.0013
4/26/2016	<0.0013	<0.0013
6/28/2016	<0.0013 (*)	<0.0013 (*)
8/29/2016	0.00027 (J)	0.0003 (J)
11/2/2016	<0.0013	<0.0013
1/5/2017	0.0012 (J)	0.00028 (J)
3/11/2017	<0.0013 (*)	<0.0013
5/11/2017	<0.0013	
5/12/2017		<0.0013
3/21/2018	0.00037 (J)	0.00062 (J)
6/8/2018	0.00025 (J)	0.00028 (J)
11/19/2018	<0.0013	<0.0013
3/12/2019	<0.0013	<0.0013
5/6/2020	<0.0013	<0.0013
9/30/2020	<0.0013	<0.0013
2/9/2021	<0.0013	<0.0013
9/17/2021	<0.0013	<0.0013
4/14/2022	<0.0013	<0.0013
Mean	0.001117	0.001081
Std. Dev.	0.0003929	0.000413
Upper Lim.	0.0013	0.0013
Lower Lim.	0.0012	0.00062

APPENDIX C

Statistical Analyses – September 2022
Semi-Annual Monitoring

GROUNDWATER STATS CONSULTING



January 17, 2023

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Plant Smith – September 2022 Background Update & Statistical Analysis

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 September 2022 sample event at Florida Light & Power's Plant Smith. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Plant Smith for the CCR program in 2016 at each of the groundwater monitoring wells. The current monitoring well network, as provided by Geosyntec Consultants, consists of the following:

- **Upgradient wells:** MW-2, MW-3, MW-12
- **Downgradient wells:** MW-6, MW-7, MW-8, MW-8R, MW-9, MW-9R, MW-10, MW-10R, MW-11, MW-11R, MW-13, MW-13R, MW-14, and MW-14R

Wells MW-8, MW-9, MW-10, MW-11, MW-13, and MW-14 were last sampled in May 2020; replacement wells MW-8R, MW-9R, and MW-10R were first sampled in April 2022; replacement wells MW-13R and MW-14R were first sampled in November 2021; and replacement well MW-11R was installed in August 2022 and first sampled in September

2022. All other replacement wells were sampled in September 2022. Once the replacement wells reach a minimum of 4 samples, the Mann-Whitney test of medians will be used to evaluate whether the medians of data from both wells are statistically different. In cases where statistically significant differences are identified at the 99% confidence level, the historical record is truncated so that only data from the replacement well, which may be more representative of present-day groundwater quality, are evaluated for the Appendix IV constituents in the confidence interval comparisons to respective Groundwater Protection Standards. The aforementioned wells and replacement wells were plotted only on time series and box plots and no formal statistics were required at this time.

Data were provided electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician for Groundwater Stats Consulting.

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

- **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 and box plots are provided for the above Appendix III and IV constituents at all wells (Figures A and B, respectively). 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. While all Appendix IV constituents are plotted on the time series graphs and box plots, confidence intervals are provided only for downgradient well/constituent pairs which have at least one detection. A list of Appendix IV downgradient well/constituent pairs with 100% non-detects which do not require statistical analyses follows this letter.

Proposed background data at all wells were initially evaluated, and reports submitted, during the October 2017 screening for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended.

Summary of Statistical Methods – Detection Monitoring Appendix III Constituents:

Based on the earlier evaluation described above, the following methods were selected:

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

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.

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

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 interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. 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 some cases, earlier data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the deselected data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. A summary of the findings of the original background screening conducted in October 2017 as well as the background updates conducted in October 2019 and December 2022 is provided below.

Historical Summary Background Screening – October 2017

Outlier Analysis

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

No suspected outliers were observed in any of the data sets, with the exception of a high value of 4200 mg/L for TDS in upgradient well MW-12 which was flagged as an outlier in the database. Any values identified as outliers are plotted in a lighter font on the time series graph. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

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 sets. 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 may 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 were provided with the 2017 screening report. No statistically significant increasing or decreasing trends were identified for any of the wells in the current monitoring well network; therefore, no adjustments were necessary for any of the records.

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 wells at Plant Smith for the following Appendix III parameters: boron, calcium, chloride, pH, and TDS, suggesting consideration of intrawell methods for these parameters. These constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality, but only pH was eligible for intrawell testing. No statistically significant variation was noted for fluoride or sulfate, making these parameters eligible for interwell methods. A summary table of the ANOVA results was included with the screening report.

Based on the above screening, intrawell methods were recommended for pH, and interwell methods were recommended for boron, calcium, chloride, fluoride, sulfate, and TDS. 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 concentrations

upgradient 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 will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

Appendix III Background Update Summaries

October 2019

Historical data were evaluated for updating with newer data through March 2019 through the use of time series graphs to identify potential outliers, when necessary, as well as with the Mann Whitney test for equality of medians. Intrawell prediction limits are used to evaluate pH due to natural spatial variation for this parameter.

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. Data from upgradient wells are periodically re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend, as well as for outliers over the entire record. Interwell prediction limits are used to evaluate boron, calcium, chloride, fluoride, sulfate, and TDS.

Outlier Analysis

Prior to constructing prediction limits, proposed background data through May 2019 were reviewed to identify any newly suspected outliers at all wells for pH, which is evaluated with intrawell prediction limits, and through March 2019 for Appendix IV parameters, which are evaluated using confidence intervals. Background data for upgradient wells were reviewed through time series graphs for boron, calcium, chloride, fluoride, sulfate, and TDS, which are evaluated using interwell prediction limits. No new outliers were identified for pH in any of the wells or for all other Appendix III parameters in upgradient wells. No changes were made to all previously flagged data for Appendix IV constituents. 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 summary of flagged values was submitted with the report (Figure C).

Mann-Whitney Evaluation

For pH, which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2017 to newer compliance samples through March 2019 at each of the wells to evaluate whether the groups are statistically different at the 99% confidence level. When the test concludes that the medians of the two groups are statistically different, background data sets are typically not updated with newer data unless it can be reasonably justified that the newer data are representative of naturally changing groundwater quality rather than a result of practices at the facility. No statistically significant differences were found among any of the wells for pH; therefore, all background data sets were updated. All data sets will be re-evaluated during the next background update.

Trend Tests

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. No statistically significant increasing trends were noted in upgradient wells with the exception of fluoride in MW-12; however, the magnitude of the trend was moderate relative to average concentrations, and truncation of the background would not affect the nonparametric prediction limit. Therefore, no adjustment of the record was required.

December 2022

Historical data were evaluated for updating with newer data through April 2022 through the use of time series graphs to identify potential outliers, when necessary, as well as with the Mann Whitney test for equality of medians. Intrawell prediction limits are used to evaluate pH due to natural spatial variation for this parameter.

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. Data from upgradient wells are periodically re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend, as well as for outliers over the entire record. Interwell prediction limits are used to evaluate boron, calcium, chloride, fluoride, sulfate, and TDS.

Outlier Analysis

Prior to constructing prediction limits, proposed background data through April 2022 were reviewed with time series graphs and Tukey's outlier test to identify any newly suspected outliers at all wells for pH, which is evaluated with intrawell prediction limits (Figure C). Background data through September 2022 were similarly reviewed for upgradient wells for boron, calcium, chloride, fluoride, sulfate, and TDS, which are evaluated using interwell prediction limits (Figure C). An outlier was identified for pH in upgradient well MW-12; however, since this value was not substantially higher than other observations for this well and the data is representative of conditions upgradient of the facility, no additional outliers were flagged for pH. Regarding upgradient data, outliers were identified for boron and sulfate. The high values of sulfate at wells MW-12 (18 mg/L and 19 mg/L) and MW-2 (9.2 mg/L and 9.6 mg/L) were not flagged as outliers since these low-level concentrations are only slightly higher than remaining measurements within these wells and represent naturally occurring groundwater quality upgradient of the facility. Additionally, a previously flagged outlier of 7.473 mg/L for sulfate at MW-3 was unflagged as the measurement was similar to concentrations reported in neighboring upgradient wells. The high values for boron were also similar to concentrations among the upgradient wells and, therefore, were not flagged as outliers.

All previously flagged outliers for Appendix III were confirmed. 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 summary of flagged values was submitted with the report (Figure C).

Mann-Whitney Evaluation

For pH, which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through March 2019 to newer compliance samples through April 2022 at each of the wells to evaluate whether the groups are statistically different at the 99% confidence level (Figure D). When the test concludes that the medians of the two groups are statistically different, background data sets are typically not updated with newer data unless it can be reasonably justified that the newer data are representative of naturally changing groundwater quality rather than a result of practices at the facility. A statistically significant difference was found for the following well:

- pH: MW-7

Since the compliance data were similar to or within the range of historic concentrations, this record was updated. Therefore, all background data sets were updated. All data sets will be re-evaluated during the next background update.

Trend Tests

The Sen's Slope/Mann Kendall trend test was used to evaluate the entire record of data at the 99% confidence level from upgradient wells for parameters utilizing interwell prediction limits (Figure E). 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. No statistically significant increasing trends were noted in upgradient wells with the exception of calcium and chloride in well MW-3 and fluoride in MW-12; however, the magnitudes of the trends were moderate relative to average concentrations, and truncation of the background would not affect the nonparametric prediction limit. Therefore, no adjustments of the records were required.

Evaluation of Appendix III Parameters – September 2022 Sample Event

Prediction Limits

All available historical data through April 2022 for pH at each well was used to construct intrawell prediction limits based on a 1-of-2 resample plan. The September 2022 sample from each well was then compared to its respective background limit.

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data from upgradient wells through September 2022 for boron, calcium, chloride, fluoride, sulfate, and TDS. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. Background (upgradient) well data for constituents using interwell statistical limits were re-assessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. As mentioned above, a summary of any flagged outliers follows this report (Figure C).

Summaries of both intrawell and interwell prediction limits and exceedances, along with complete results may be found following this letter in the Prediction Limits section (Figures F and G, respectively). For intrawell prediction limits, no exceedances were identified. For interwell prediction limits, exceedances were noted for boron, calcium, chloride, sulfate, and TDS in both downgradient wells.

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.

Trend Tests

The Sen's Slope/Mann Kendall trend test was used to determine whether a statistically significant trend exists over the entire period of record for the interwell exceedances noted above (Figure H). Upgradient wells are included in the trend testing to determine whether similar patterns exist upgradient of the facility. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend tests follows this report and statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Boron: MW-7
- Calcium: MW-3 (upgradient) and MW-7
- Chloride: MW-3 (upgradient)

Decreasing:

- Calcium MW-6
- Chloride: MW-6
- Sulfate: MW-6
- TDS: MW-6

Evaluation of Appendix IV Parameters – September 2022 Sample Event

For Appendix IV parameters, data from upgradient wells are reassessed for outliers during each analysis prior to constructing statistical limits. The highest chromium measurement of 0.012 mg/L at well MW-12 was flagged as an outlier in order to construct statistical limits that are conservative (i.e., lower) from a regulatory perspective. The remaining identified outliers were not flagged as the measurements were similar to one or more reported values among the upgradient wells.

All previously flagged outliers were confirmed through time series graphs and Tukey's outlier test.

During this analysis, high reporting limits of 1.0 mg/L from the most recent (September 2022) sample event for fluoride was substituted with the historic reporting limit of 0.14 mg/L. Additionally, due to varying reporting limits for chromium and lithium, the most recent reporting limits of 0.0025 mg/L and 0.005 mg/L were substituted across all wells. A complete list of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell parametric or nonparametric tolerance limits, depending on the distribution of the background data, were used to calculate background limits from pooled upgradient well data through September 2022 for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits, to determine the background limits (Figure I). The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

These 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 Standard (GWPS) in the Confidence Interval comparisons (Figure J).

Confidence Intervals

Confidence intervals were constructed using data through September 2022 at downgradient wells for each well/constituent pair with detections for the Appendix IV constituents and compared to GWPS as discussed above (Figure K). A list of Appendix IV downgradient well/constituent pairs with 100% non-detects follows this letter. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Exceedances were noted for combined radium 226 + 228 in both downgradient wells. No other confidence interval exceedances were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Smith. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins
Project Manager



Kristina Rayner
Senior Statistician

100% Non-Detects

Analysis Run 1/13/2023 10:53 AM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Antimony (mg/L)
MW-6, MW-7

Cadmium (mg/L)
MW-6, MW-7

Cobalt (mg/L)
MW-6

Lead (mg/L)
MW-6, MW-7

Mercury (mg/L)
MW-6, MW-7

Thallium (mg/L)
MW-6, MW-7

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:28 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Boron, total (mg/L)	MW-12,MW-2,MW-3	Yes	0.27,0.33,0.0094,0.0073	NP	NaN	63	0.06711	0.05579	In(x)	ShapiroFrancia
Chromium (mg/L)	MW-12,MW-2,MW-3	Yes	0.012,0.0005,0.0066,0.0012,0.0016,0.0043,0.0074,0	NP	NaN	60	0.002717	0.001624	In(x)	ShapiroFrancia
Sulfate as SO4 (mg/L)	MW-12,MW-2,MW-3	Yes	1.6,1.8,2.3,2.3,2.2,1.5,3,3,18,19,2.8,9.2,9.6,1.4	NP	NaN	63	5.092	2.882	In(x)	ShapiroFrancia

Tukey's Outlier Test - Upgradient Wells - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:28 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0025	0	unknown	ShapiroWilk
Arsenic (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	60	0.001283	0.0001034	unknown	ShapiroFrancia
Barium (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	0.01698	0.005309	In(x)	ShapiroFrancia
Beryllium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	57	0.002372	0.0005475	unknown	ShapiroFrancia
Boron, total (mg/L)	MW-12,MW-2,MW-3	Yes	0.27,0.33,0.0094,0.0073	NP	NaN	63	0.06711	0.05579	In(x)	ShapiroFrancia
Cadmium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.003177	0.004691	unknown	ShapiroWilk
Calcium, total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	23.81	33.25	In(x)	ShapiroFrancia
Chloride, Total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	71.53	84.45	In(x)	ShapiroFrancia
Chromium (mg/L)	MW-12,MW-2,MW-3	Yes	0.012,0.0005,0.0066,0.0012,0.0016,0.0043,0.0074,0	NP	NaN	60	0.002717	0.001624	In(x)	ShapiroFrancia
Cobalt (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.007269	0.03504	unknown	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	1.889	0.7966	normal	ShapiroFrancia
Fluoride, total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	0.1213	0.05372	sqrt(x)	ShapiroFrancia
Lead (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.001266	0.0001735	unknown	ShapiroFrancia
Lithium (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	0.01231	0.02117	In(x)	ShapiroFrancia
Mercury (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0001973	0.00001862	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	60	0.01453	0.002534	unknown	ShapiroFrancia
Selenium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.001396	0.001073	unknown	ShapiroFrancia
Sulfate as SO4 (mg/L)	MW-12,MW-2,MW-3	Yes	1.6,1.8,2.3,2.3,2.2,1.5,3,3,18,19,2.8,9.2,9.6,1.4	NP	NaN	63	5.092	2.882	In(x)	ShapiroFrancia
Thallium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0005792	0.0005485	unknown	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	278	539.3	In(x)	ShapiroFrancia

Tukey's Outlier Test - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:18 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
pH, Field (SU)	MW-12 (bg)	Yes	6.62	NP	NaN	18	6.072	0.1582	In(x)	ShapiroWilk

Tukey's Outlier Test - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:18 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
pH, Field (SU)	MW-12 (bg)	Yes	6.62	NP	NaN	18	6.072	0.1582	In(x)	ShapiroWilk
pH, Field (SU)	MW-2 (bg)	No	n/a	NP	NaN	18	6.168	0.5202	normal	ShapiroWilk
pH, Field (SU)	MW-3 (bg)	No	n/a	NP	NaN	18	4.938	0.1168	x^6	ShapiroWilk
pH, Field (SU)	MW-6	No	n/a	NP	NaN	18	5.258	0.2998	In(x)	ShapiroWilk
pH, Field (SU)	MW-7	No	n/a	NP	NaN	18	6.272	0.1519	In(x)	ShapiroWilk

Outlier Summary

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:25 PM

Date	MW-12 Cadmium (mg/L)	MW-12 Calcium, total (mg/L)	MW-12 Chromium (mg/L)	MW-6 Chromium (mg/L)	MW-7 Chromium (mg/L)	MW-12 Cobalt (mg/L)	MW-12 Lithium (mg/L)	MW-6 Lithium (mg/L)	MW-7 Lithium (mg/L)	MW-12 Selenium (mg/L)
2/22/2016			0.012 (J,O)							
6/27/2016										
3/11/2019										
9/16/2021	0.035 (O)	250 (O)				0.26 (O)	0.17 (O)			0.009 (O)
4/14/2022			<0.05 (o)	<0.05 (o)				<0.1 (o)	<0.1 (o)	

Date	MW-12 Thallium (mg/L)	MW-6 Thallium (mg/L)	MW-7 Thallium (mg/L)	MW-12 Total Dissolved Solids [TDS] (mg/L)	MW-14 Total Dissolved Solids [TDS] (mg/L)
2/22/2016					
6/27/2016			4200 (O)		
3/11/2019				45500 (OD)	
9/16/2021	0.0043 (O)				
4/14/2022		<0.01 (o)	<0.01 (o)		

Welch's t-test/Mann-Whitney - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
pH, Field (SU)	MW-7	2.629	Yes	Mann-W

Welch's t-test/Mann-Whitney - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
pH, Field (SU)	MW-12 (bg)	-0.1879	No	Mann-W
pH, Field (SU)	MW-2 (bg)	-2.201	No	Mann-W
pH, Field (SU)	MW-3 (bg)	-1.218	No	Mann-W
pH, Field (SU)	MW-6	2.202	No	Mann-W
pH, Field (SU)	MW-7	2.629	Yes	Mann-W

Trend Tests - Upgradient Wells - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:29 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-12 (bg)	0.01049	94	87	Yes	21	4.762	n/a	n/a	0.01	NP

Trend Tests - Upgradient Wells - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:29 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.0005688	-7	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001405	-49	-87	No	21	38.1	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-23	-87	No	21	85.71	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.4584	27	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.347	-74	-87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	-1.795	-27	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.4732	-45	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-12 (bg)	0.01049	94	87	Yes	21	4.762	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-2 (bg)	-0.0117	-21	-87	No	21	9.524	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-3 (bg)	0	18	87	No	21	66.67	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	30	87	No	21	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.06321	-28	-87	No	21	23.81	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-17	-87	No	21	80.95	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	0.8833	9	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-14.85	-76	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	2.827	45	87	No	21	0	n/a	n/a	0.01	NP

Intrawell Prediction Limits - All Results (No Significant)

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	MW-12	6.62	5.9	9/1/2022	6	No	18	n/a	n/a	0	n/a	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (SU)	MW-2	7.102	5.233	9/1/2022	5.73	No	18	6.168	0.5202	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-3	5.148	4.728	9/1/2022	4.91	No	18	4.938	0.1168	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-6	5.796	4.719	9/2/2022	5.2	No	18	5.258	0.2998	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-7	6.544	5.999	9/2/2022	6.37	No	18	6.272	0.1519	0	None	No	0.001878	Param Intra 1 of 2	

Interwell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Lim.Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	9/2/2022	7.6	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	9/2/2022	3	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	9/2/2022	230	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	9/2/2022	360	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	9/2/2022	2300	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	9/2/2022	2600	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	19	n/a	9/2/2022	390	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	19	n/a	9/2/2022	580	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	9/2/2022	5200	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	9/2/2022	6100	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	9/2/2022	7.6	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	9/2/2022	3	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	9/2/2022	230	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	9/2/2022	360	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	9/2/2022	2300	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	9/2/2022	2600	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-6	0.28	n/a	9/2/2022	0.14ND	No	63	n/a	n/a	26.98	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-7	0.28	n/a	9/2/2022	0.14ND	No	63	n/a	n/a	26.98	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	19	n/a	9/2/2022	390	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	19	n/a	9/2/2022	580	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	9/2/2022	5200	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	9/2/2022	6100	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:48 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-7	0.1237	89	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-30.15	-130	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	22.85	91	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-205.3	-140	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-40.63	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-308	-115	-87	Yes	21	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:48 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.0005688	-7	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001405	-49	-87	No	21	38.1	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-23	-87	No	21	85.71	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-6	-0.2518	-83	-87	No	21	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-7	0.1237	89	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.08621	11	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.347	-74	-87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-30.15	-130	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	22.85	91	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	-1.795	-27	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.4732	-45	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-205.3	-140	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-7	174.3	75	87	No	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	30	87	No	21	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.06321	-28	-87	No	21	23.81	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-17	-87	No	21	80.95	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-40.63	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-7	1.643	7	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	4.49	25	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-14.85	-76	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	2.827	45	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-308	-115	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-7	309.7	62	87	No	21	0	n/a	n/a	0.01	NP

Upper Tolerance Limit Summary Table

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:31 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0025	n/a	n/a	n/a	n/a 48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	0.0014	n/a	n/a	n/a	n/a 60	n/a	n/a	95	n/a	n/a	0.04607	NP Inter(NDs)
Barium (mg/L)	0.02769	n/a	n/a	n/a	n/a 60	0.01698	0.005309	5	None	No	0.05	Inter
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a 57	n/a	n/a	94.74	n/a	n/a	0.05373	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a 47	n/a	n/a	100	n/a	n/a	0.08974	NP Inter(NDs)
Chromium (mg/L)	0.0074	n/a	n/a	n/a	n/a 59	n/a	n/a	47.46	n/a	n/a	0.04849	NP Inter(normality)
Cobalt (mg/L)	0.0025	n/a	n/a	n/a	n/a 53	n/a	n/a	100	n/a	n/a	0.06597	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.64	n/a	n/a	n/a	n/a 60	n/a	n/a	0	n/a	n/a	0.04607	NP Inter(normality)
Fluoride, total (mg/L)	0.28	n/a	n/a	n/a	n/a 63	n/a	n/a	26.98	n/a	n/a	0.0395	NP Inter(normality)
Lead (mg/L)	0.0013	n/a	n/a	n/a	n/a 54	n/a	n/a	96.3	n/a	n/a	0.06267	NP Inter(NDs)
Lithium (mg/L)	0.025	n/a	n/a	n/a	n/a 59	n/a	n/a	18.64	n/a	n/a	0.04849	NP Inter(normality)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a 48	n/a	n/a	97.92	n/a	n/a	0.08526	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a 60	n/a	n/a	96.67	n/a	n/a	0.04607	NP Inter(NDs)
Selenium (mg/L)	0.0013	n/a	n/a	n/a	n/a 53	n/a	n/a	94.34	n/a	n/a	0.06597	NP Inter(NDs)
Thallium (mg/L)	0.0005	n/a	n/a	n/a	n/a 47	n/a	n/a	100	n/a	n/a	0.08974	NP Inter(NDs)

PLANT SMITH 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		0.0014	0.01
Barium, Total (mg/L)	2		0.028	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		0.0074	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		4.64	5
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0013	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

Confidence Interval Summary Table - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:32 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-6	29.99	24.15	5	Yes	20	27.23	5.392	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	37.2	26.1	5	Yes	20	31.65	9.779	0	None	No	0.01	Param.

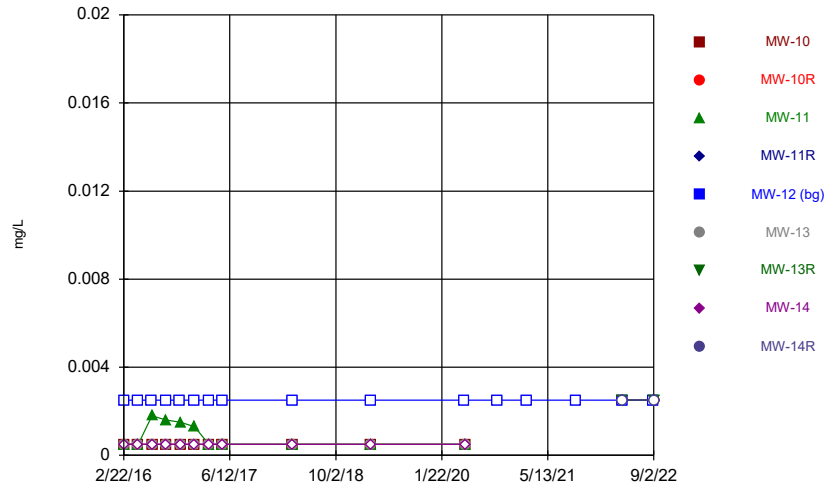
Confidence Interval Summary Table - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-6	0.00171	0.0008524	0.01	No	20	0.001457	0.0007858	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-7	0.0022	0.0013	0.01	No	20	0.001845	0.001036	30	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07146	0.06044	2	No	20	0.06595	0.009698	5	None	No	0.01	Param.
Barium (mg/L)	MW-7	0.1122	0.07001	2	No	20	0.0911	0.03713	5	None	No	0.01	Param.
Beryllium (mg/L)	MW-6	0.001362	0.0008066	0.004	No	19	0.001417	0.0006454	15.79	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	MW-7	0.0025	0.00022	0.004	No	19	0.002259	0.000722	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-6	0.0025	0.0019	0.1	No	19	0.002405	0.0003009	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-7	0.002722	0.001216	0.1	No	19	0.002668	0.001421	36.84	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00029	0.006	No	18	0.002377	0.0005209	94.44	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-6	29.99	24.15	5	Yes	20	27.23	5.392	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	37.2	26.1	5	Yes	20	31.65	9.779	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-6	0.14	0.04	4	No	21	0.08357	0.04629	38.1	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-7	0.14	0.047	4	No	21	0.1213	0.03956	80.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.01956	0.01135	0.04	No	19	0.01546	0.00701	5.263	None	No	0.01	Param.
Lithium (mg/L)	MW-7	0.005	0.0023	0.04	No	19	0.004195	0.001352	68.42	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-6	0.015	0.0011	0.1	No	20	0.0143	0.003108	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-7	0.007867	0.004477	0.1	No	20	0.00924	0.004966	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-6	0.0013	0.0012	0.05	No	18	0.001127	0.0003836	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-7	0.0013	0.00062	0.05	No	18	0.001093	0.000404	77.78	None	No	0.01	NP (NDs)

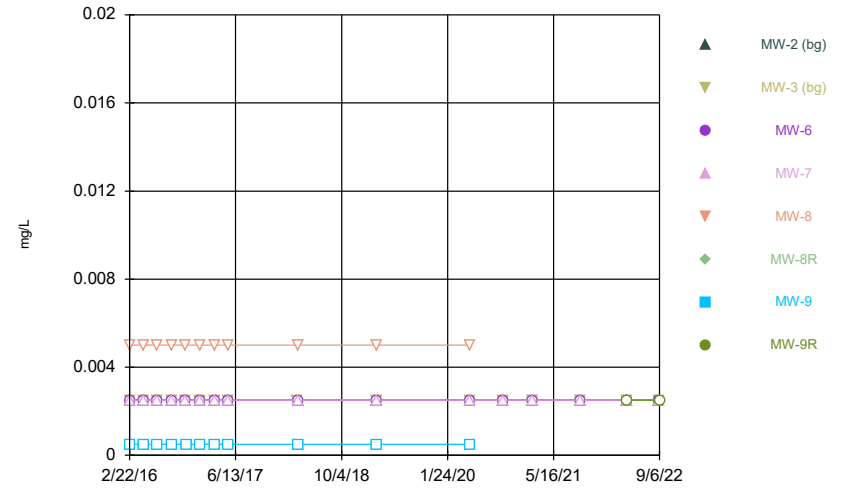
FIGURE A.

Time Series



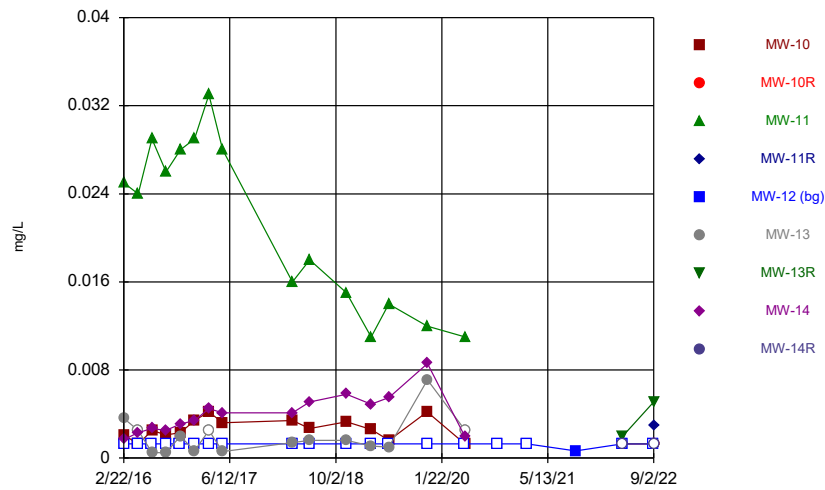
Constituent: Antimony Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



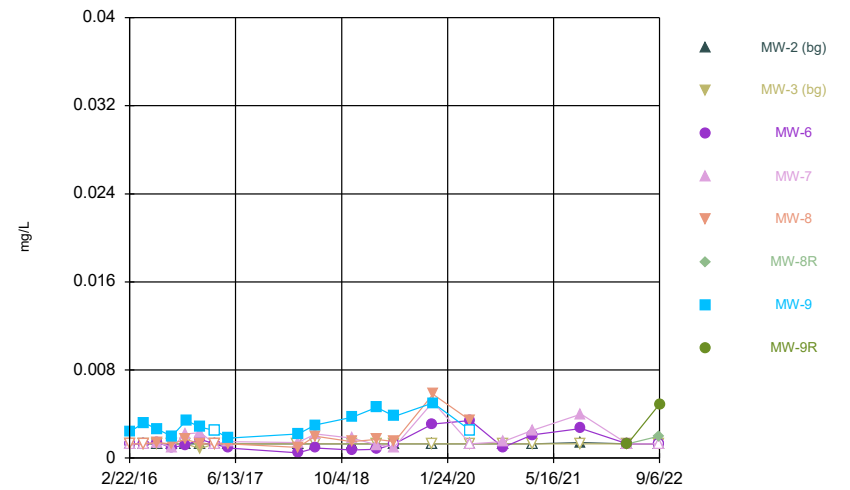
Constituent: Antimony Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



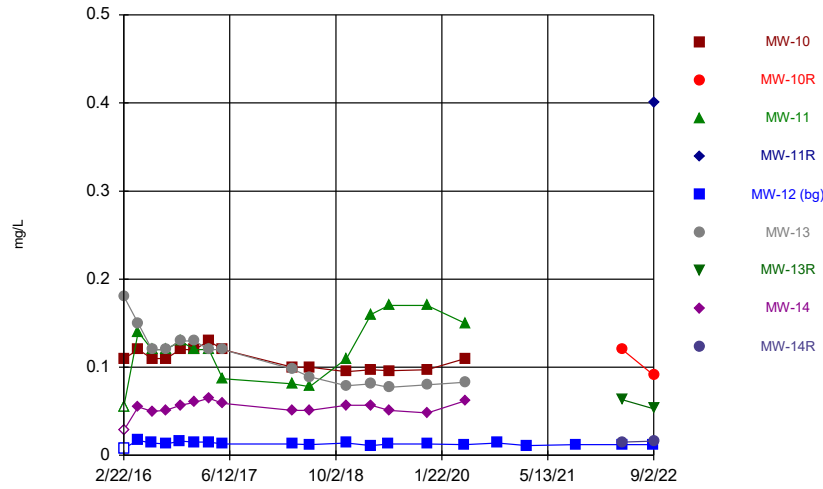
Constituent: Arsenic Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



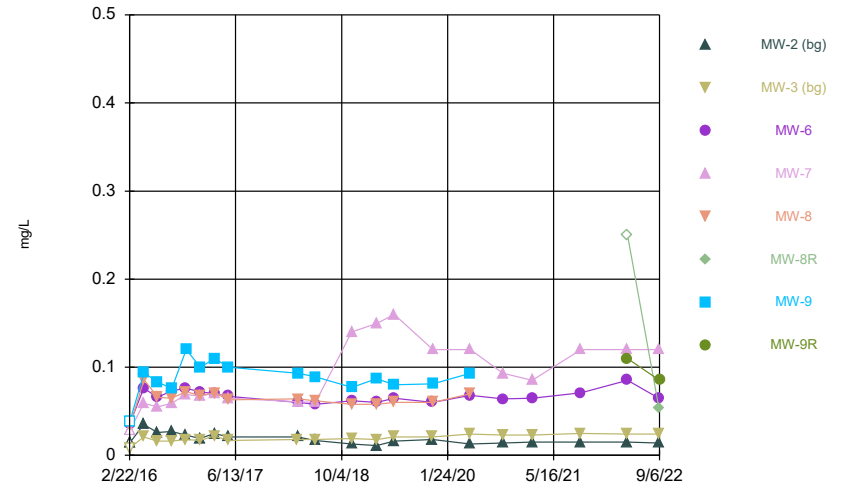
Constituent: Arsenic Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



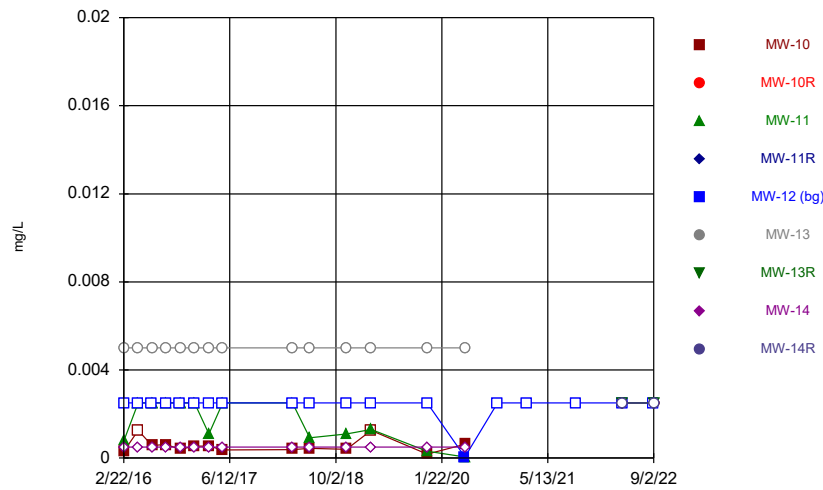
Constituent: Barium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



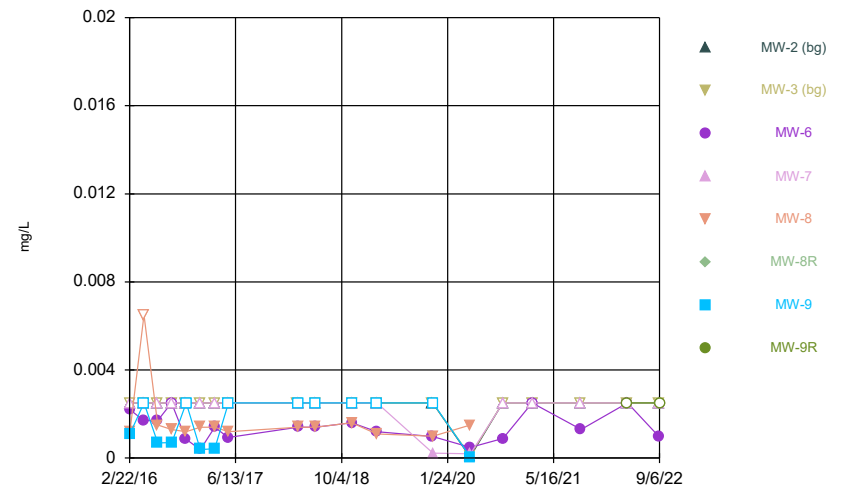
Constituent: Barium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



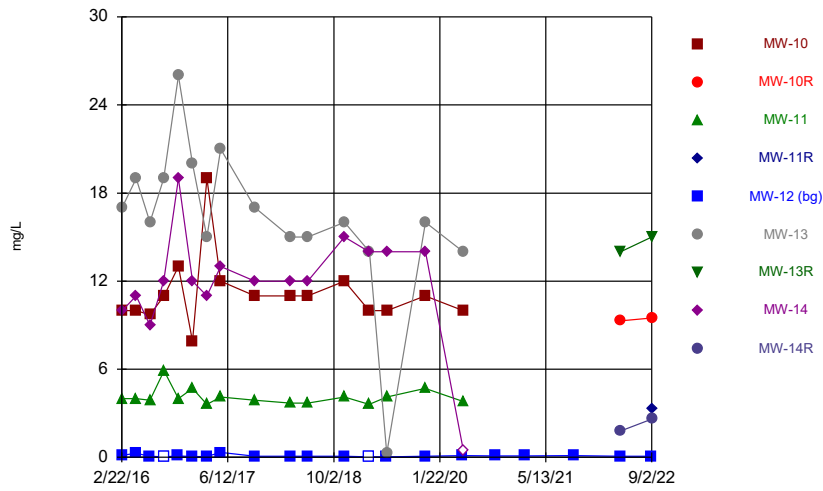
Constituent: Beryllium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



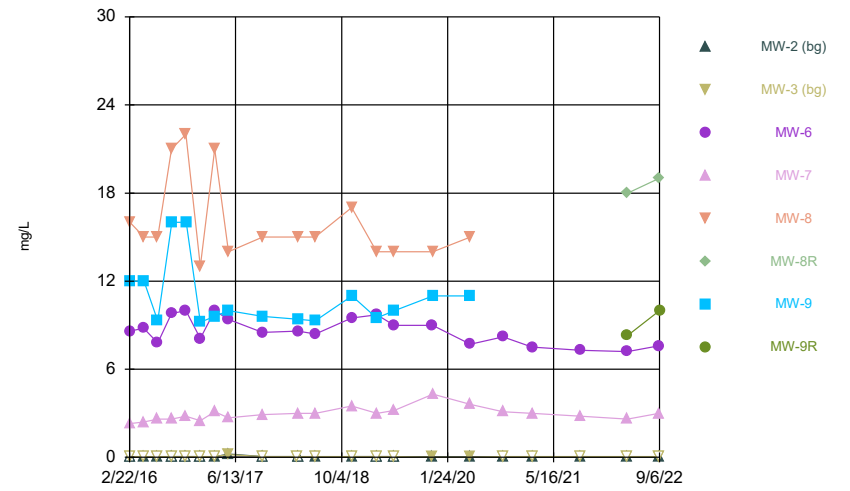
Constituent: Beryllium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



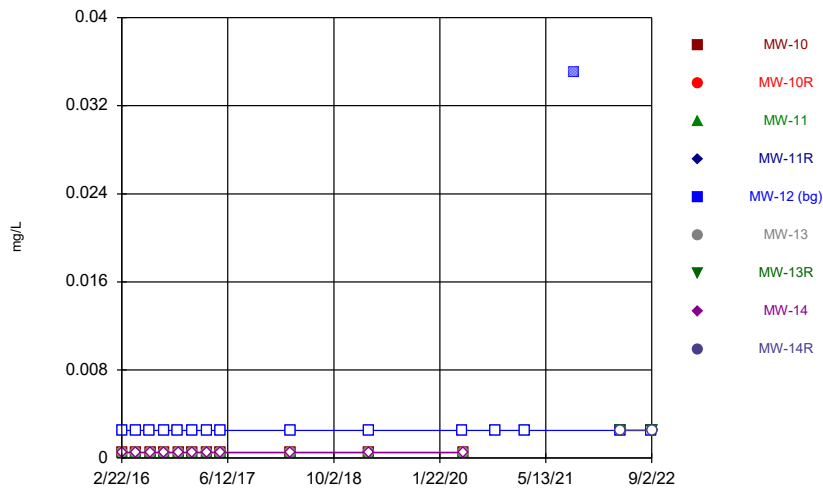
Constituent: Boron, total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



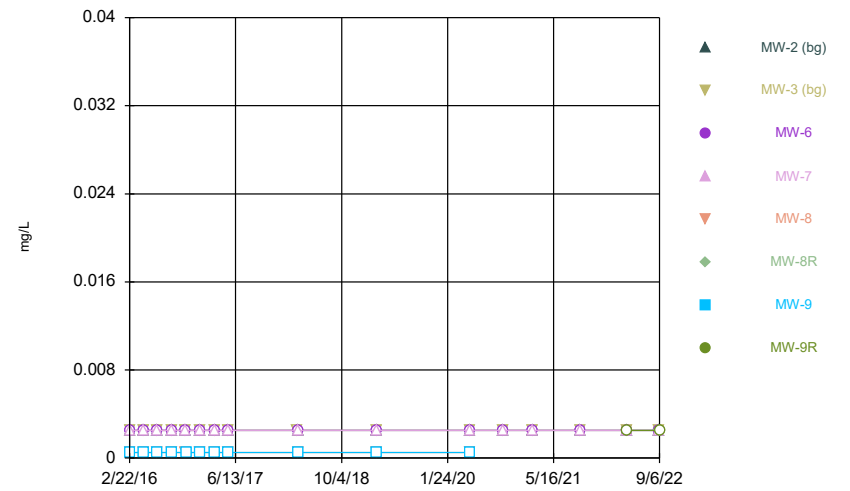
Constituent: Boron, total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



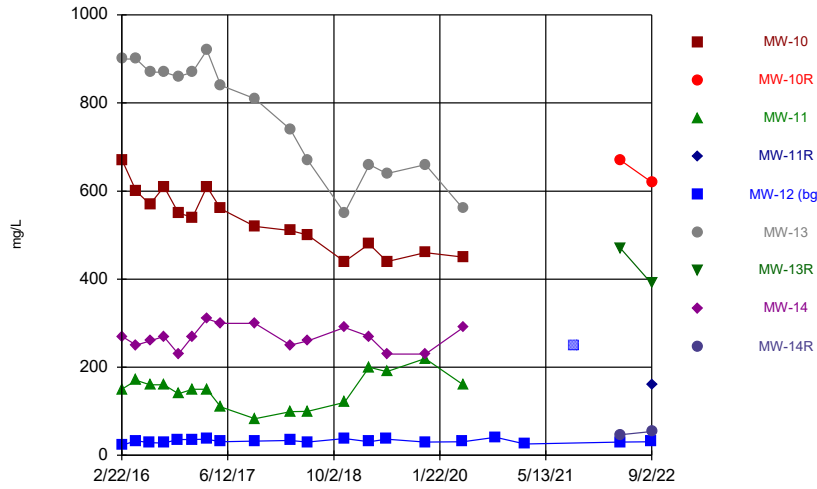
Constituent: Cadmium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



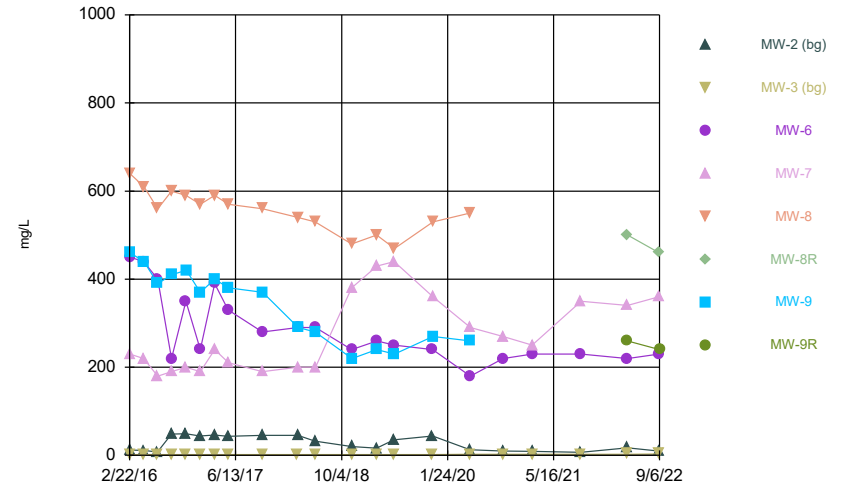
Constituent: Cadmium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



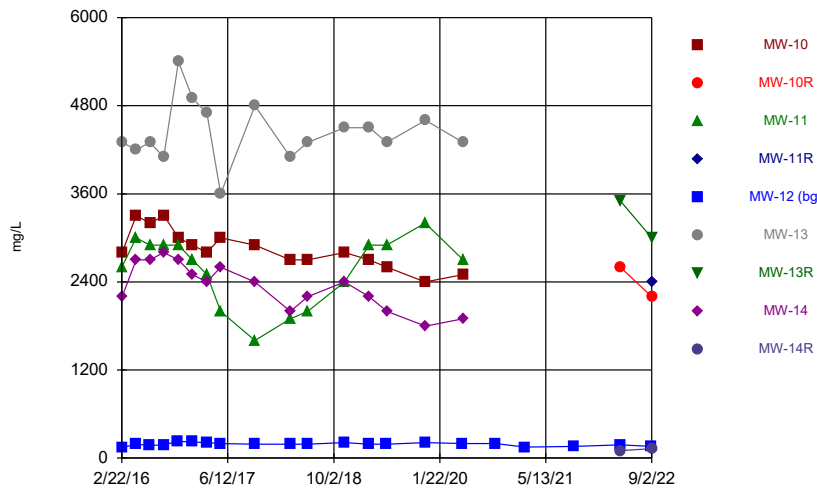
Constituent: Calcium, total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



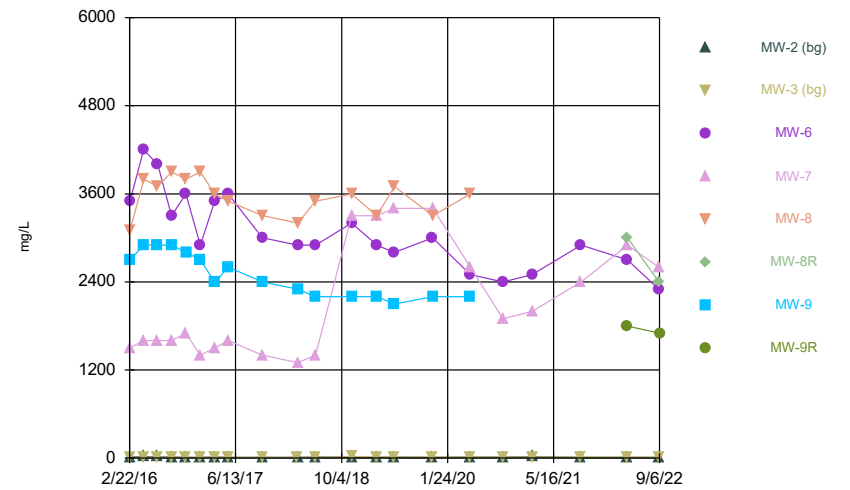
Constituent: Calcium, total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



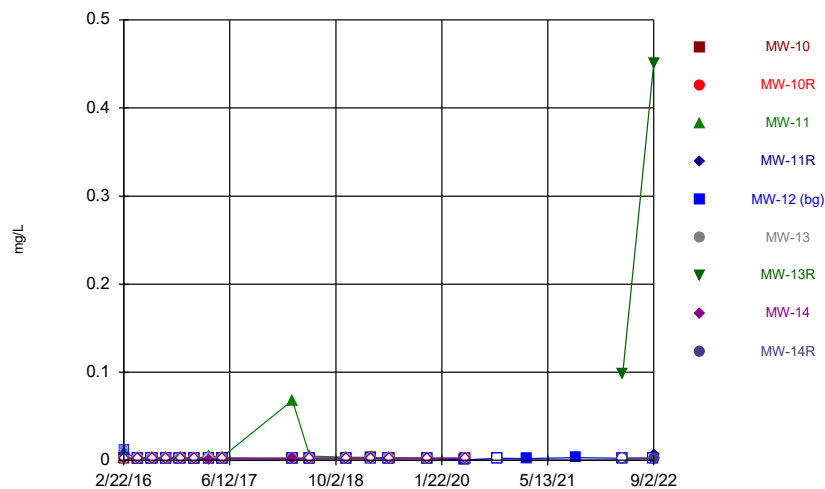
Constituent: Chloride, Total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



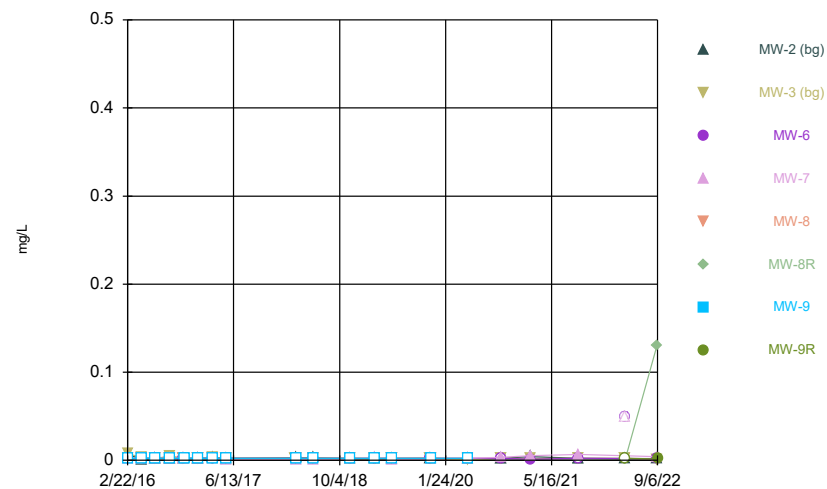
Constituent: Chloride, Total Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



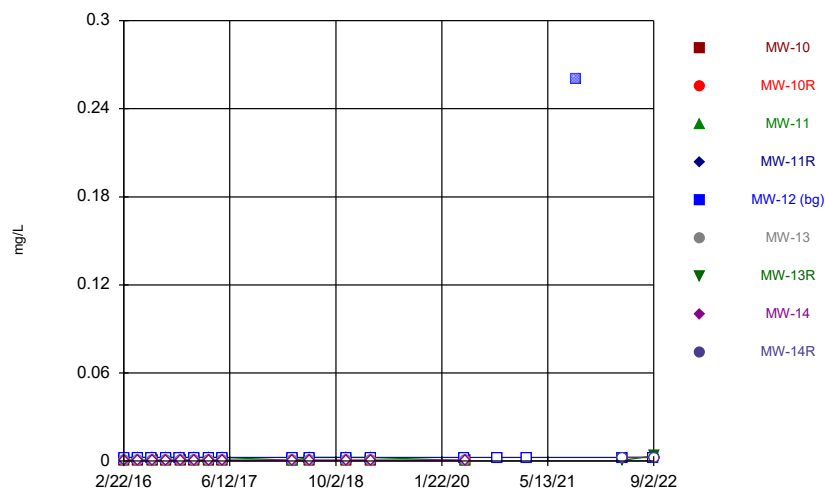
Constituent: Chromium Analysis Run 1/13/2023 2:19 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



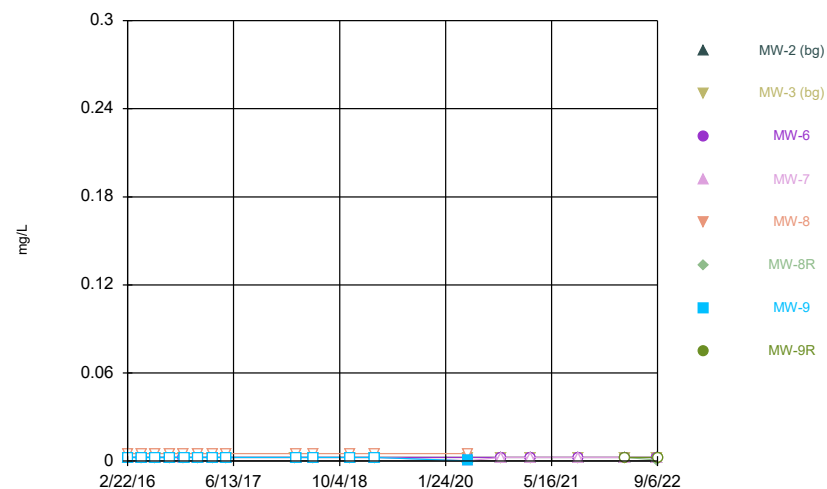
Constituent: Chromium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



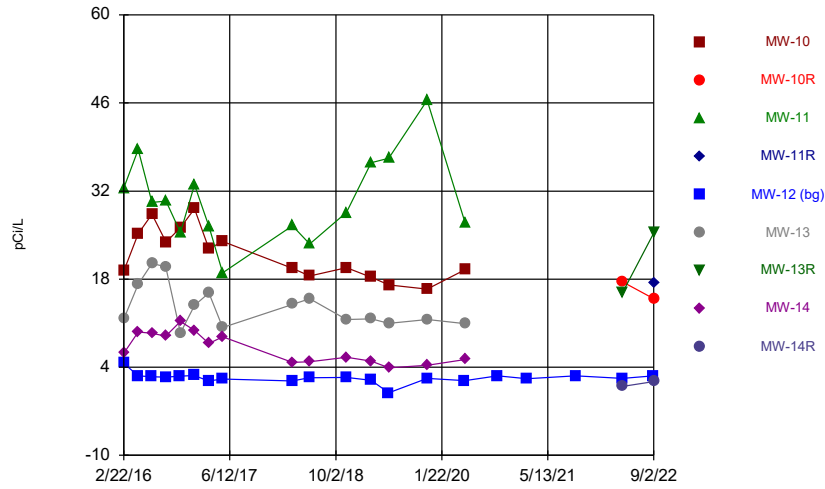
Constituent: Cobalt Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



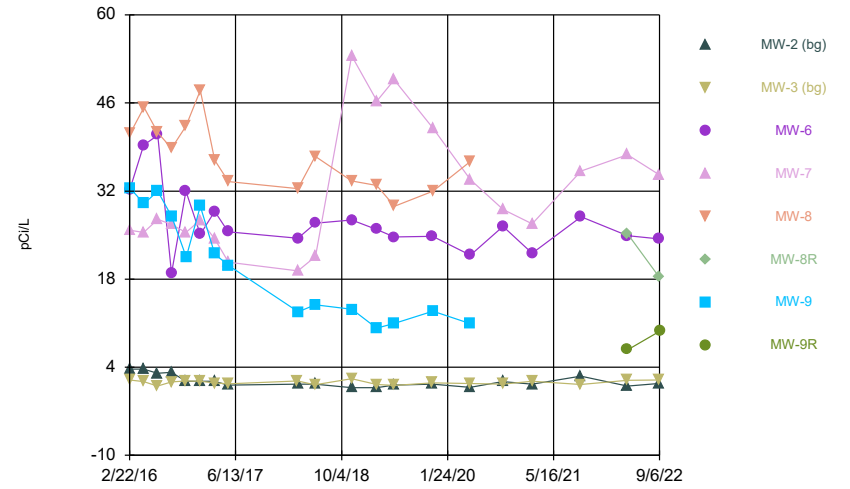
Constituent: Cobalt Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



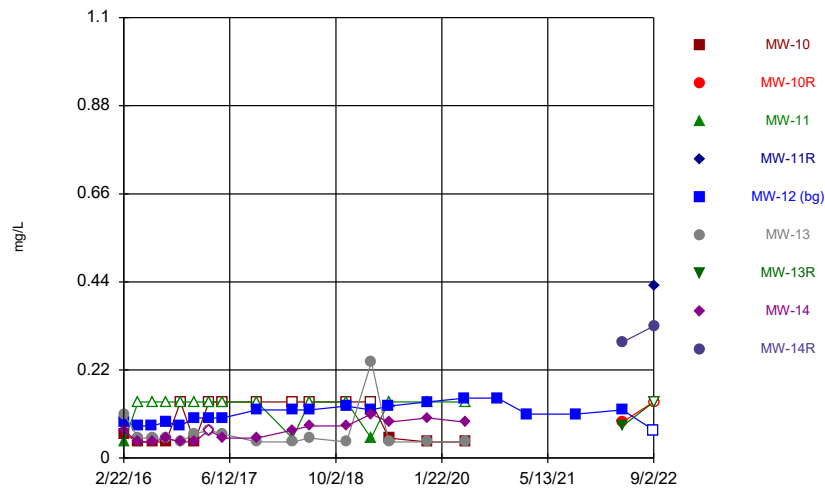
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



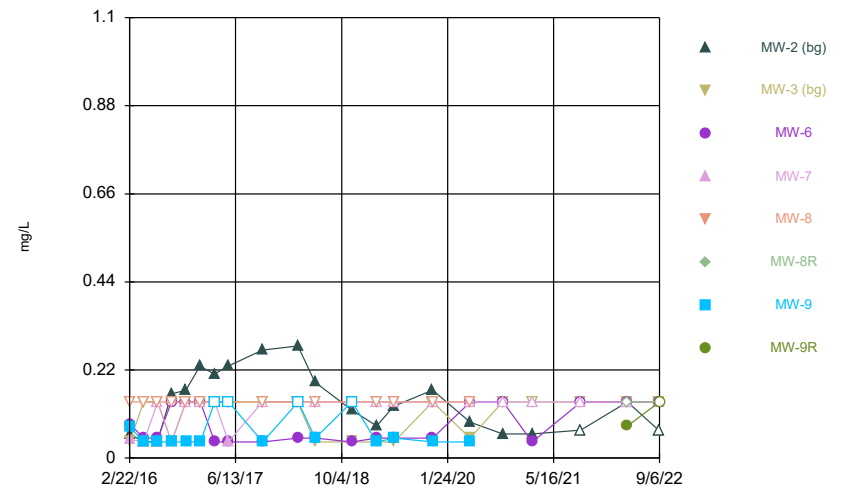
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



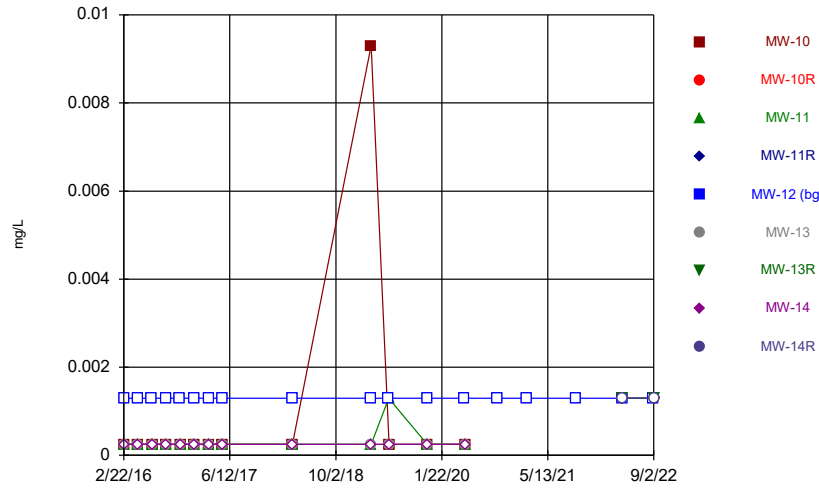
Constituent: Fluoride, total Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



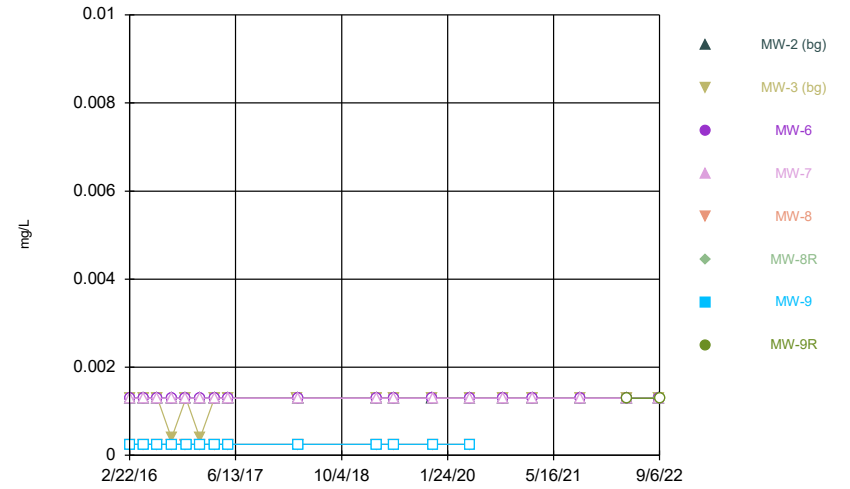
Constituent: Fluoride, total Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



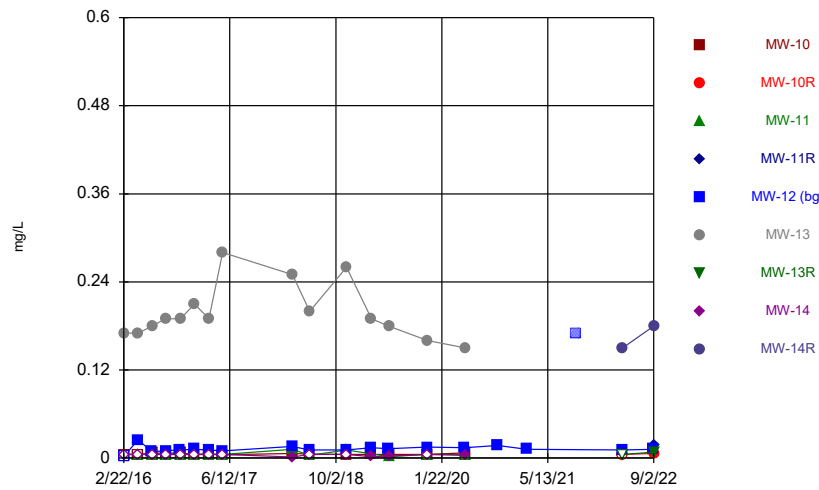
Constituent: Lead Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



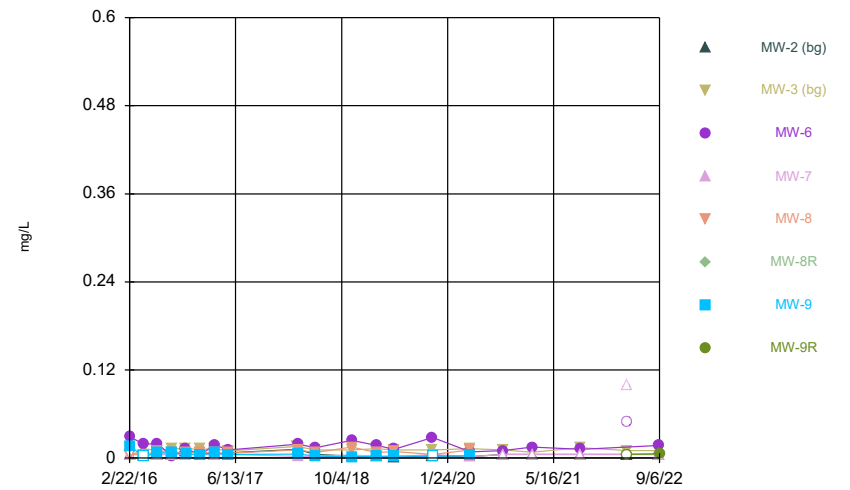
Constituent: Lead Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



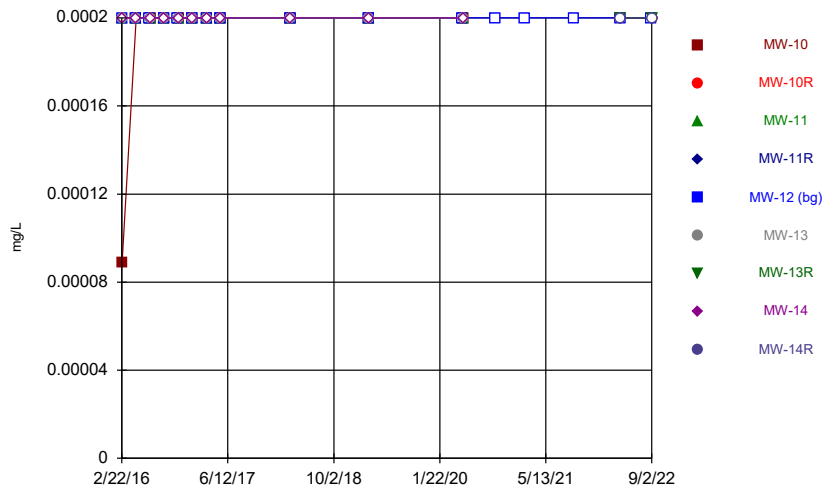
Constituent: Lithium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



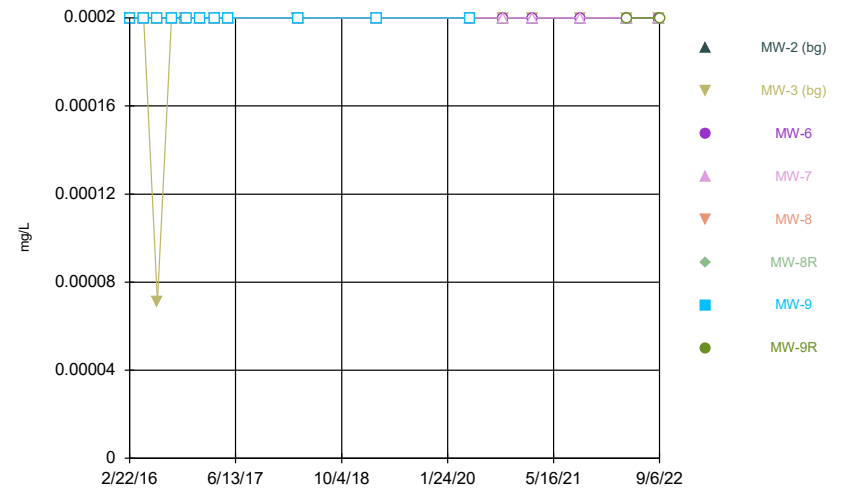
Constituent: Lithium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



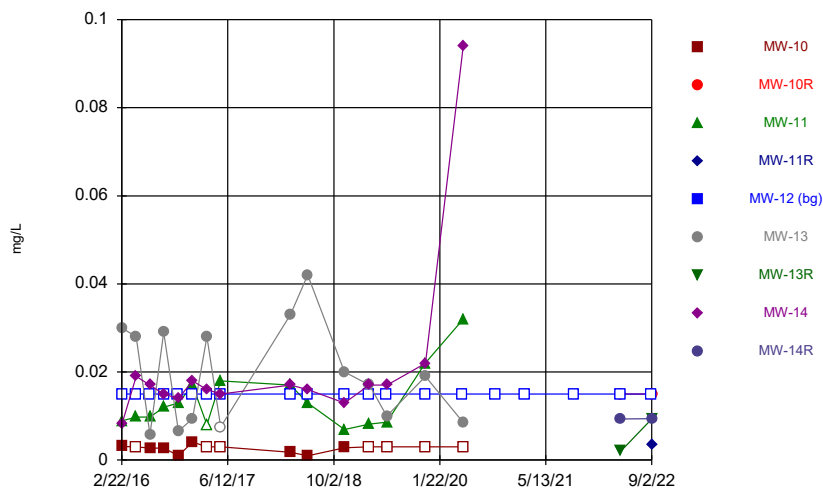
Constituent: Mercury Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



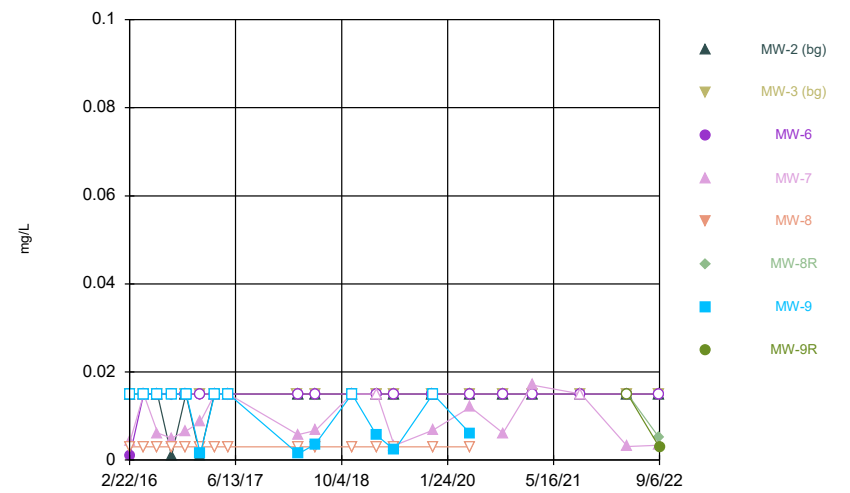
Constituent: Mercury Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



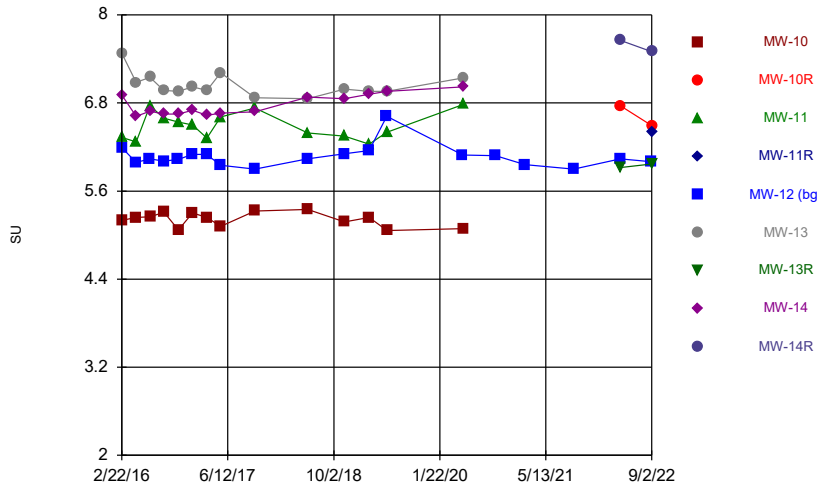
Constituent: Molybdenum Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



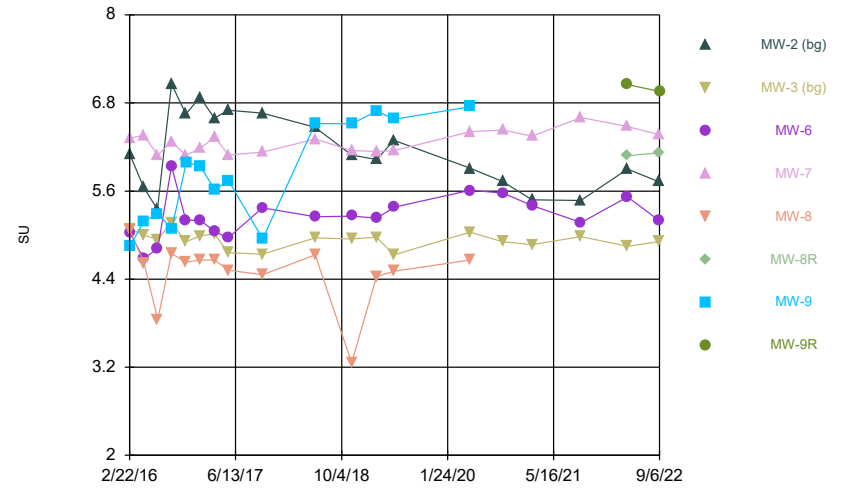
Constituent: Molybdenum Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



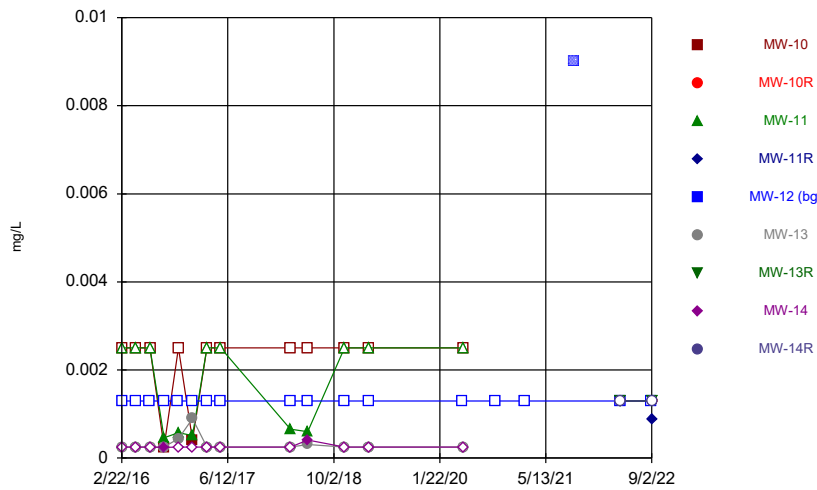
Constituent: pH, Field Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



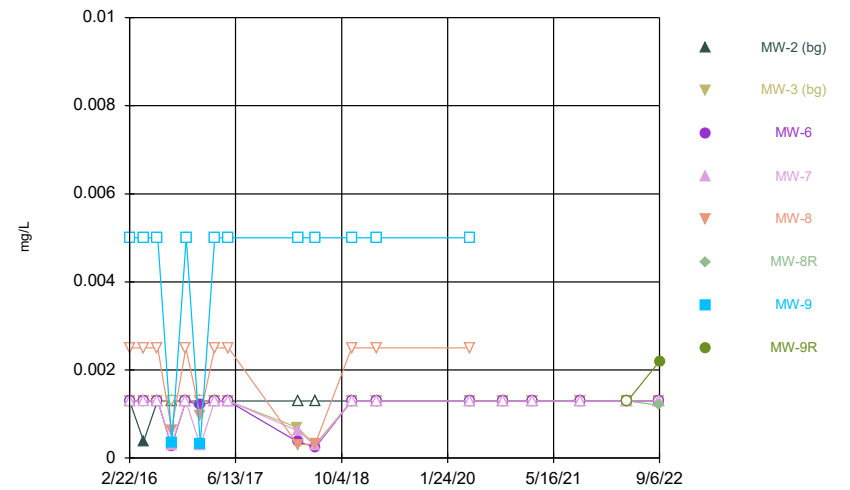
Constituent: pH, Field Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



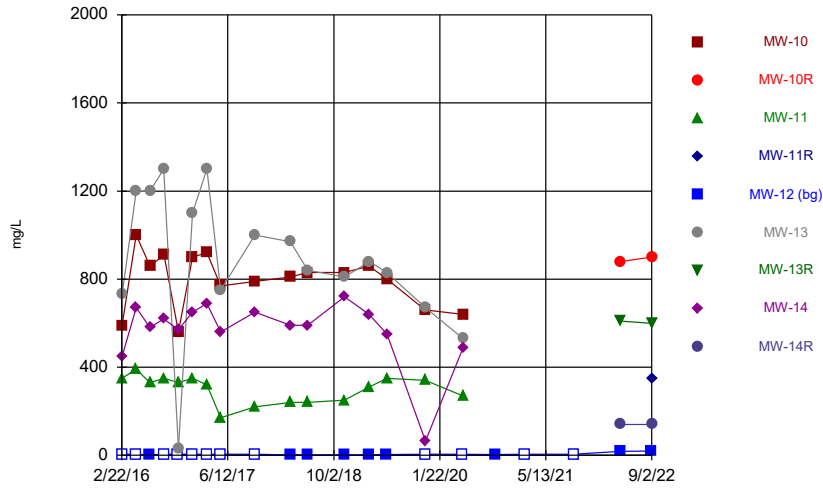
Constituent: Selenium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



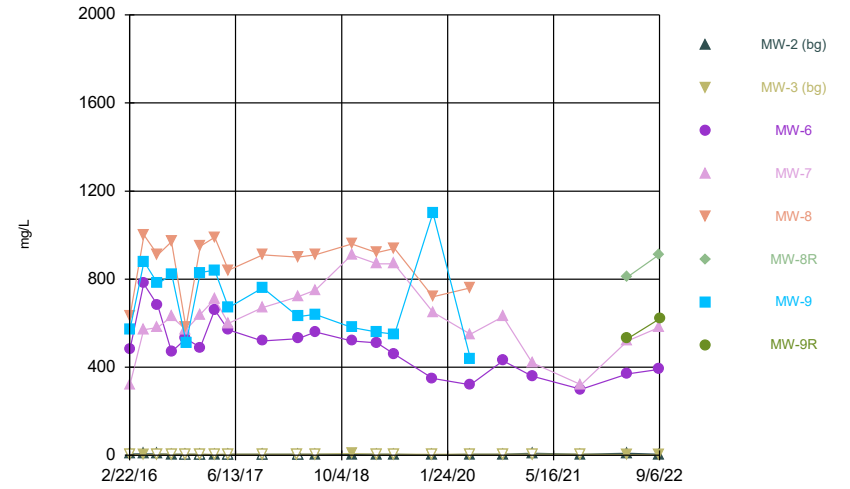
Constituent: Selenium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



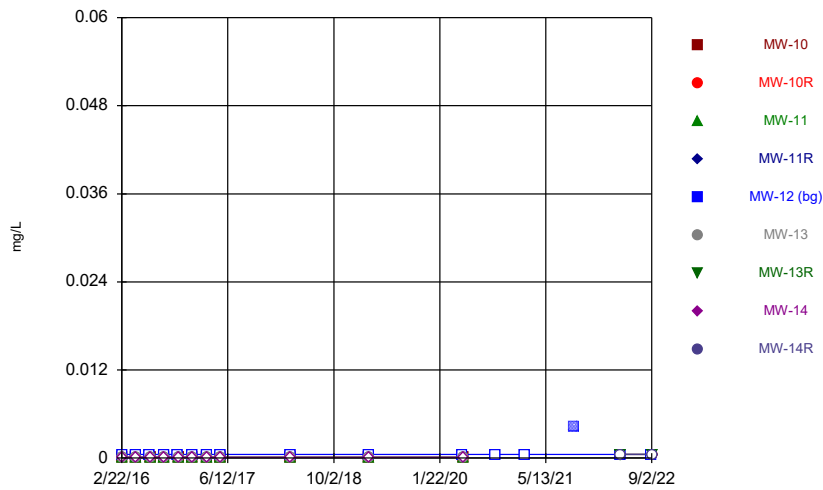
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



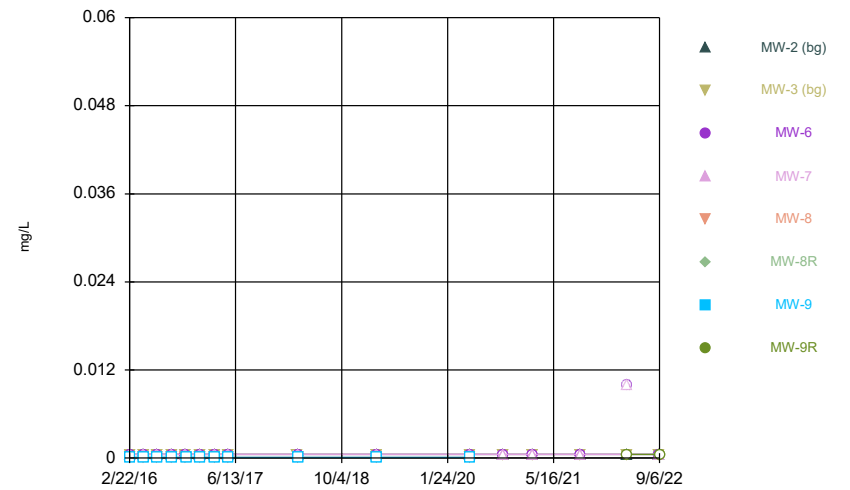
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



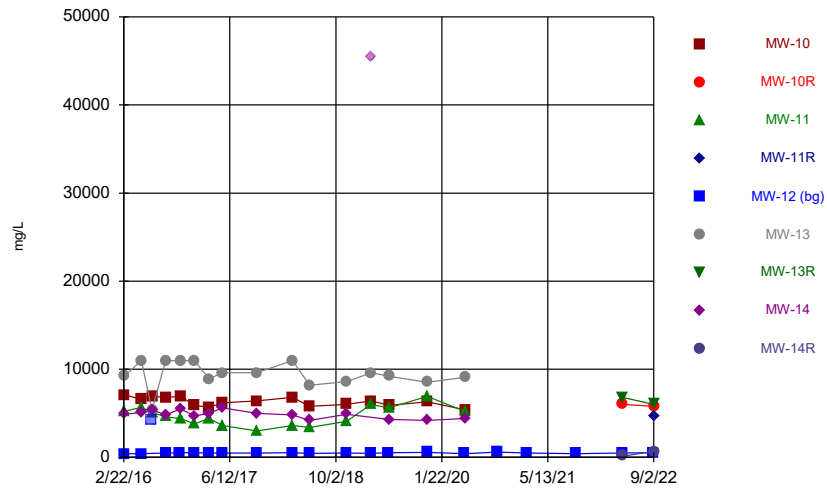
Constituent: Thallium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



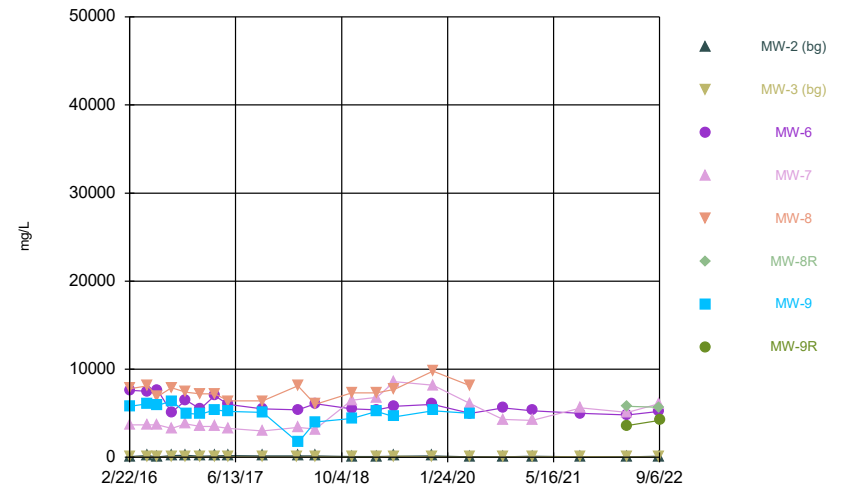
Constituent: Thallium Analysis Run 1/13/2023 2:20 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 2:20 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 2:20 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0005		<0.0025				
2/23/2016	<0.0005					<0.0005		<0.0005	
4/26/2016	<0.0005		<0.0005		<0.0025				
4/27/2016						<0.0005		<0.0005	
6/27/2016					<0.0025				
6/28/2016	<0.0005		0.0018 (J)			<0.0005		<0.0005	
8/29/2016					<0.0025	<0.0005		<0.0005	
8/30/2016	<0.0005		0.0016 (J)						
11/1/2016					<0.0025				
11/2/2016						<0.0005			
11/3/2016	<0.0005		0.0015 (J)					<0.0005	
1/4/2017					<0.0025				
1/5/2017	<0.0005		0.0013 (J)			<0.0005		<0.0005	
3/10/2017					<0.0025				
3/11/2017	<0.0005		<0.0005 (*)			<0.0005		<0.0005	
5/11/2017					<0.0025				
5/12/2017	<0.0005		<0.0005			<0.0005		<0.0005	
3/20/2018					<0.0025				
3/21/2018			<0.0005						
3/22/2018	<0.0005					<0.0005		<0.0005	
3/11/2019	<0.0005		<0.0005		<0.0025			<0.0005	
3/12/2019						<0.0005			
5/5/2020					<0.0025				
5/6/2020	<0.0005		<0.0005						
5/7/2020						<0.0005		<0.0005	
9/29/2020					<0.0025				
2/9/2021					<0.0025				
9/16/2021					<0.0025				
4/14/2022		<0.0025			<0.0025				
4/15/2022							<0.0025		<0.0025
9/1/2022					<0.0025				
9/2/2022		<0.0025		<0.0025			<0.0025		<0.0025

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0025	<0.0025						
2/23/2016			<0.0025	<0.0025	<0.005		<0.0005	
4/25/2016	<0.0025	<0.0025						
4/26/2016			<0.0025	<0.0025				
4/27/2016					<0.005		<0.0005	
6/27/2016	<0.0025	<0.0025						
6/28/2016			<0.0025	<0.0025	<0.005		<0.0005	
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.005			
8/30/2016							<0.0005	
11/1/2016	<0.0025	<0.0025						
11/2/2016			<0.0025	<0.0025	<0.005			
11/3/2016							<0.0005	
1/4/2017	<0.0025	<0.0025						
1/5/2017			<0.0025	<0.0025	<0.005		<0.0005	
3/10/2017	<0.0025	<0.0025						
3/11/2017			<0.0025	<0.0025	<0.005		<0.0005	
5/11/2017	<0.0025	<0.0025	<0.0025					
5/12/2017				<0.0025	<0.005		<0.0005	
3/20/2018		<0.0025						
3/21/2018	<0.0025		<0.0025	<0.0025				
3/22/2018					<0.005			
3/23/2018							<0.0005	
3/11/2019	<0.0025	<0.0025			<0.005		<0.0005	
3/12/2019			<0.0025	<0.0025				
5/5/2020	<0.0025	<0.0025						
5/6/2020			<0.0025	<0.0025			<0.0005	
5/7/2020					<0.005			
9/29/2020	<0.0025	<0.0025						
9/30/2020			<0.0025	<0.0025				
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025				
9/16/2021	<0.0025	<0.0025						
9/17/2021			<0.0025	<0.0025				
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
9/1/2022	<0.0025	<0.0025						
9/2/2022			<0.0025	<0.0025		<0.0025		
9/6/2022								<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			0.025		<0.0013				
2/23/2016	0.0021 (J)					0.0036 (J)		0.0017 (J)	
4/26/2016	<0.0025		0.024		<0.0013				
4/27/2016						<0.0025		0.0023 (J)	
6/27/2016					<0.0013				
6/28/2016	0.0025		0.029			0.00051 (J)		0.0027	
8/29/2016					<0.0013	0.00047 (J)		0.0025	
8/30/2016	0.0021		0.026						
11/1/2016					<0.0013				
11/2/2016						0.002			
11/3/2016	0.0023		0.028					0.0031	
1/4/2017					<0.0013				
1/5/2017	0.0034		0.029			0.00066 (J)		0.0034	
3/10/2017					<0.0013				
3/11/2017	0.0042		0.033			<0.0025 (*)		0.0045	
5/11/2017					<0.0013				
5/12/2017	0.0032		0.028			0.0006 (J)		0.0041	
3/20/2018					<0.0013				
3/21/2018			0.016						
3/22/2018	0.0034					0.0014		0.0041	
6/6/2018					<0.0013				
6/7/2018	0.0027		0.018			0.0016		0.0051	
11/19/2018					<0.0013	0.0016		0.0058	
11/20/2018	0.0033		0.015						
3/11/2019	0.0026		0.011		<0.0013			0.0049	
3/12/2019						0.0011 (J)			
5/28/2019					<0.0013				
5/29/2019			0.014			0.001 (J)			
5/30/2019	0.0016							0.0055	
11/18/2019	0.0042		0.012		<0.0013				
11/19/2019						0.0071		0.0086	
5/5/2020					<0.0013				
5/6/2020	<0.0025		0.011						
5/7/2020						<0.0025		0.0019 (J)	
9/29/2020					<0.0013				
2/9/2021					<0.0013				
9/16/2021					0.00064 (I)				
4/14/2022		<0.0013			<0.0013				
4/15/2022							0.002		<0.0013
9/1/2022					<0.0013				
9/2/2022		<0.0013		0.0029			0.0051		<0.0013

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0013	<0.0013						
2/23/2016			<0.0013	<0.0013	<0.0013		0.0024 (J)	
4/25/2016	<0.0013	<0.0013						
4/26/2016			<0.0013	<0.0013				
4/27/2016					<0.0013		0.0032 (J)	
6/27/2016	<0.0013	<0.0013						
6/28/2016			0.0014	0.0014	0.0014		0.0026	
8/29/2016	<0.0013	<0.0013	0.00095 (J)	0.001 (J)	0.0013			
8/30/2016							0.002	
11/1/2016	<0.0013	<0.0013						
11/2/2016			0.0012 (J)	0.0022	0.0017			
11/3/2016							0.0034	
1/4/2017	<0.0013	0.00085 (J)						
1/5/2017			0.0017	0.0023	0.0013		0.0028	
3/10/2017	<0.0013 (*)	<0.0013						
3/11/2017			<0.0013 (*)	<0.0013 (*)	<0.0013 (*)		<0.005 (*)	
5/11/2017	<0.0013	<0.0013	0.0009 (J)					
5/12/2017				0.0015	0.0013		0.0018	
3/20/2018		<0.0013						
3/21/2018	<0.0013		0.00048 (J)	0.0014				
3/22/2018					0.00097 (J)			
3/23/2018							0.0022	
6/6/2018	<0.0013	<0.0013						
6/7/2018					0.002		0.003	
6/8/2018			0.0009 (J)	0.0022				
11/19/2018	<0.0013	<0.0013	0.00075 (J)	0.0018	0.0015			
11/20/2018							0.0037	
3/11/2019	<0.0013	<0.0013			0.0017		0.0046	
3/12/2019			0.00079 (J)	0.0012 (J)				
5/28/2019	<0.0013	<0.0013						
5/29/2019			<0.0013	0.00099 (J)				
5/30/2019					0.0015		0.0038	
11/18/2019	<0.0013	<0.0013	0.0031					
11/19/2019				0.0051	0.0058		0.005	
5/5/2020	<0.0013	<0.0013						
5/6/2020			0.0034	<0.0013			<0.005	
5/7/2020					0.0034			
9/29/2020	<0.0013	<0.0013						
9/30/2020			0.00096	0.0015				
2/9/2021	<0.0013	<0.0013	0.0021	0.0025				
9/16/2021	0.0014	<0.0013						
9/17/2021			0.0027	0.004				
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013		<0.0013		0.0013
9/1/2022	<0.0013	<0.0013						
9/2/2022			<0.0013	<0.0013		0.002		
9/6/2022								0.0049

Time Series

Constituent: Barium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.11 (*)		<0.016 (*)				
2/23/2016	0.11					0.18		<0.058 (*)	
4/26/2016	0.12		0.14		0.017				
4/27/2016						0.15		0.055	
6/27/2016					0.014				
6/28/2016	0.11		0.12			0.12		0.05	
8/29/2016					0.013	0.12		0.051	
8/30/2016	0.11		0.12						
11/1/2016					0.016				
11/2/2016						0.13			
11/3/2016	0.12		0.13					0.057	
1/4/2017					0.015				
1/5/2017	0.12		0.12			0.13		0.06	
3/10/2017					0.015				
3/11/2017	0.13		0.12			0.12		0.065	
5/11/2017					0.013				
5/12/2017	0.12		0.087			0.12		0.059	
3/20/2018					0.013				
3/21/2018			0.081						
3/22/2018	0.1					0.098		0.051	
6/6/2018					0.012				
6/7/2018	0.1		0.078			0.089		0.051	
11/19/2018					0.014	0.079		0.057	
11/20/2018	0.095		0.11						
3/11/2019	0.097		0.16		0.011			0.057	
3/12/2019						0.081			
5/28/2019					0.013				
5/29/2019			0.17			0.077			
5/30/2019	0.096							0.051	
11/18/2019	0.097		0.17		0.013				
11/19/2019						0.08		0.048	
5/5/2020					0.012				
5/6/2020	0.11		0.15						
5/7/2020						0.083		0.062	
9/29/2020					0.014				
2/9/2021					0.011				
9/16/2021					0.012 (V)				
4/14/2022		0.12			0.012				
4/15/2022							0.063 (J)		0.015
9/1/2022					0.012				
9/2/2022		0.091		0.4			0.053		0.016

Time Series

Constituent: Barium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.028 (*)	<0.016 (*)						
2/23/2016			<0.072 (*)	<0.056 (*)	<0.067 (*)		<0.077 (*)	
4/25/2016	0.035	0.021						
4/26/2016			0.076	0.059				
4/27/2016					0.086		0.094	
6/27/2016	0.026	0.016						
6/28/2016			0.066	0.055	0.066		0.083	
8/29/2016	0.027	0.016	0.073	0.059	0.065			
8/30/2016							0.076	
11/1/2016	0.023	0.018						
11/2/2016			0.076	0.069	0.072			
11/3/2016							0.12	
1/4/2017	0.019	0.017						
1/5/2017			0.072	0.067	0.068		0.1	
3/10/2017	0.025	0.022						
3/11/2017			0.07	0.071	0.071		0.11	
5/11/2017	0.021	0.017	0.067					
5/12/2017				0.065	0.063		0.1	
3/20/2018		0.018						
3/21/2018	0.021		0.06	0.061				
3/22/2018					0.064			
3/23/2018							0.093	
6/6/2018	0.017	0.018						
6/7/2018					0.062		0.089	
6/8/2018			0.058	0.06				
11/19/2018	0.013	0.019	0.062	0.14	0.058			
11/20/2018							0.077	
3/11/2019	0.011	0.018			0.058		0.087	
3/12/2019			0.06	0.15				
5/28/2019	0.016	0.021						
5/29/2019			0.065	0.16				
5/30/2019					0.06		0.08	
11/18/2019	0.018	0.021	0.06					
11/19/2019				0.12	0.06		0.081	
5/5/2020	0.013	0.024						
5/6/2020			0.068	0.12			0.093	
5/7/2020					0.07			
9/29/2020	0.014	0.023						
9/30/2020			0.064	0.093				
2/9/2021	0.015	0.023	0.065	0.085				
9/16/2021	0.015	0.025						
9/17/2021			0.071	0.12				
4/14/2022	0.015	0.024	0.085	0.12		<0.25		0.11
9/1/2022	0.014	0.024						
9/2/2022			0.065	0.12		0.054		
9/6/2022								0.085

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			0.00078 (J)		<0.0025				
2/23/2016	0.00033 (J)					<0.005		<0.0005	
4/26/2016	<0.0025		<0.0025		<0.0025				
4/27/2016						<0.005		<0.0005	
6/27/2016					<0.0025				
6/28/2016	0.00057 (J)		<0.0025			<0.005		<0.0005	
8/29/2016					<0.0025	<0.005		<0.0005	
8/30/2016	0.00061 (J)		<0.0025						
11/1/2016					<0.0025				
11/2/2016						<0.005			
11/3/2016	0.0004 (J)		<0.0025					<0.0005	
1/4/2017					<0.0025				
1/5/2017	0.00055 (J)		<0.0025			<0.005		<0.0005	
3/10/2017					<0.0025				
3/11/2017	0.00054 (J)		0.0011 (J)			<0.005		<0.0005	
5/11/2017					<0.0025				
5/12/2017	0.00037 (J)		<0.0025			<0.005		<0.0005	
3/20/2018					<0.0025				
3/21/2018			0.0025						
3/22/2018	0.00039 (J)					<0.005		<0.0005	
6/6/2018					<0.0025				
6/7/2018	0.00044 (J)		0.00092 (J)			<0.005		<0.0005	
11/19/2018					<0.0025	<0.005		<0.0005	
11/20/2018	0.0004 (J)		0.0011 (J)						
3/11/2019	<0.0025		0.0013 (J)		<0.0025			<0.0005	
3/12/2019						<0.005			
11/18/2019	0.00018 (J)		0.00031 (J)		<0.0025				
11/19/2019						<0.005		<0.0005	
5/5/2020					4.3E-05 (J)				
5/6/2020	0.00063		5.2E-05 (J)						
5/7/2020						<0.005		<0.0005	
9/29/2020					<0.0025				
2/9/2021					<0.0025				
9/16/2021					<0.0025				
4/14/2022		<0.0025			<0.0025				
4/15/2022							<0.0025		<0.0025
9/1/2022					<0.0025				
9/2/2022		<0.0025		<0.0025			<0.0025		<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016		<0.0025						
2/23/2016			0.0022 (J)	<0.0025	0.0012 (J)		0.0011 (J)	
2/26/2016	<0.0025							
4/25/2016	<0.0025	<0.0025						
4/26/2016			0.0017 (J)	<0.0025				
4/27/2016					<0.013		<0.0025	
6/27/2016	<0.0025	<0.0025						
6/28/2016			0.0017 (J)	<0.0025	0.0015 (J)		0.00069 (J)	
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	0.0013 (J)			
8/30/2016							0.0007 (J)	
11/1/2016	<0.0025	<0.0025						
11/2/2016			0.00087 (J)	<0.0025	0.0012 (J)			
11/3/2016							<0.0025	
1/4/2017	<0.0025	<0.0025						
1/5/2017			0.00039 (J)	<0.0025	0.0014 (J)		0.00039 (J)	
3/10/2017	<0.0025	<0.0025						
3/11/2017			0.0014 (J)	<0.0025	0.0014 (J)		0.00043 (J)	
5/11/2017	<0.0025	<0.0025	0.00093 (J)					
5/12/2017				<0.0025	0.0012 (J)		<0.0025	
3/20/2018		<0.0025						
3/21/2018	<0.0025		0.0014 (J)	<0.0025				
3/22/2018					0.0014 (J)			
3/23/2018							<0.0025	
6/6/2018	<0.0025	<0.0025						
6/7/2018					0.0014 (J)		<0.0025	
6/8/2018			0.0014 (J)	<0.0025				
11/19/2018	<0.0025	<0.0025	0.0016 (J)	<0.0025	0.0016 (J)			
11/20/2018							<0.0025	
3/11/2019	<0.0025	<0.0025			0.0011 (J)		<0.0025	
3/12/2019			0.0012 (J)	<0.0025				
11/18/2019	<0.0025	<0.0025	0.00098 (J)					
11/19/2019				0.00022 (J)	0.001 (J)		<0.0025	
5/5/2020	5.7E-05 (J)	0.00011 (J)						
5/6/2020			0.00049 (J)	0.0002 (J)			5.3E-05 (J)	
5/7/2020					0.0015			
9/29/2020	<0.0025	<0.0025						
9/30/2020			0.00089	<0.0025				
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025				
9/16/2021	<0.0025	<0.0025						
9/17/2021			0.0013 (I)	<0.0025				
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
9/1/2022	<0.0025	<0.0025						
9/2/2022			0.00098 (J)	<0.0025		<0.0025		
9/6/2022								<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			4		0.14 (J)				
2/23/2016	10					17		10	
4/26/2016	10		4		0.27				
4/27/2016						19		11	
6/27/2016					0.083				
6/28/2016	9.7		3.9			16		9	
8/29/2016					<0.05 (*)	19		12	
8/30/2016	11		5.9						
11/1/2016					0.1				
11/2/2016						26			
11/3/2016	13		4					19	
1/4/2017					0.062				
1/5/2017	7.9		4.7			20		12	
3/10/2017					0.06				
3/11/2017	19		3.6			15		11	
5/11/2017					0.33				
5/12/2017	12		4.1			21		13	
10/12/2017					0.082				
10/13/2017	11		3.9			17		12	
3/20/2018					0.072				
3/21/2018			3.7						
3/22/2018	11					15		12	
6/6/2018					0.077				
6/7/2018	11		3.7			15		12	
11/19/2018					0.071	16		15	
11/20/2018	12		4.1						
3/11/2019	10		3.6		<0.05			14	
3/12/2019						14			
5/28/2019					0.024 (J)				
5/29/2019			4.1			0.28			
5/30/2019	10							14	
11/18/2019	11 (J3)		4.7 (J3)		0.075				
11/19/2019						16 (J3)		14 (J3)	
5/5/2020					0.11				
5/6/2020	10		3.8						
5/7/2020						14		<1	
9/29/2020					0.086				
2/9/2021					0.09				
9/16/2021					0.11				
4/14/2022		9.3			0.076				
4/15/2022							14		1.8
9/1/2022					0.083				
9/2/2022		9.5		3.3			15		2.6

Time Series

Constituent: Boron, total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.05	<0.05						
2/23/2016			8.6	2.3	16		12	
4/25/2016	0.022 (J)	<0.05						
4/26/2016			8.8	2.4				
4/27/2016					15		12	
6/27/2016	0.032 (J)	<0.05						
6/28/2016			7.8	2.6	15		9.3	
8/29/2016	<0.05 (*)	<0.05	9.8	2.6	21			
8/30/2016							16	
11/1/2016	<0.05	<0.05						
11/2/2016			10	2.8	22			
11/3/2016							16	
1/4/2017	<0.05	<0.05						
1/5/2017			8.1	2.5	13		9.2	
3/10/2017	0.032 (J)	<0.05						
3/11/2017			10	3.1	21		9.6	
5/11/2017	0.23	0.18	9.4					
5/12/2017				2.7	14		10	
10/12/2017	<0.05	<0.05	8.5	2.9				
10/13/2017					15		9.6	
3/20/2018		<0.05						
3/21/2018	<0.05		8.6	3				
3/22/2018					15			
3/23/2018							9.4	
6/6/2018	0.027 (J)	<0.05						
6/7/2018					15		9.3	
6/8/2018			8.4	3				
11/19/2018	0.045 (J)	<0.05	9.5	3.5	17			
11/20/2018							11	
3/11/2019	<0.05	<0.05			14		9.5	
3/12/2019			9.7	3				
5/28/2019	<0.05	<0.05						
5/29/2019			9	3.2				
5/30/2019					14		10	
11/18/2019	0.036 (V)	0.0094 (IV)	9 (J3)					
11/19/2019				4.3 (J3)	14 (J3)		11 (J3)	
5/5/2020	0.041	0.0073 (J)						
5/6/2020			7.7	3.6			11	
5/7/2020					15			
9/29/2020	0.04	<0.05						
9/30/2020			8.2	3.1				
2/9/2021	0.024 (I)	<0.05	7.5	3				
9/16/2021	0.045 (I)	<0.05						
9/17/2021			7.3	2.8				
4/14/2022	0.024 (J)	<0.05	7.2	2.6		18		8.3
9/1/2022	0.032 (J)	<0.05						
9/2/2022			7.6	3		19		
9/6/2022								10

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0005		<0.0025				
2/23/2016	<0.0005					<0.0005		<0.0005	
4/26/2016	<0.0005		<0.0005		<0.0025				
4/27/2016						<0.0005		<0.0005	
6/27/2016					<0.0025				
6/28/2016	<0.0005		<0.0005			<0.0005		<0.0005	
8/29/2016					<0.0025	<0.0005		<0.0005	
8/30/2016	<0.0005		<0.0005						
11/1/2016					<0.0025				
11/2/2016						<0.0005			
11/3/2016	<0.0005		<0.0005					<0.0005	
1/4/2017					<0.0025				
1/5/2017	<0.0005		<0.0005			<0.0005		<0.0005	
3/10/2017					<0.0025				
3/11/2017	<0.0005		<0.0005			<0.0005		<0.0005	
5/11/2017					<0.0025				
5/12/2017	<0.0005		<0.0005			<0.0005		<0.0005	
3/20/2018					<0.0025				
3/21/2018			<0.0005						
3/22/2018	<0.0005					<0.0005		<0.0005	
3/11/2019	<0.0005		<0.0005		<0.0025			<0.0005	
3/12/2019						<0.0005			
5/5/2020					<0.0025				
5/6/2020	<0.0005		<0.0005						
5/7/2020						<0.0005		<0.0005	
9/29/2020					<0.0025				
2/9/2021					<0.0025				
9/16/2021					0.035 (O)				
4/14/2022		<0.0025			<0.0025				
4/15/2022						<0.0025			<0.0025
9/1/2022					<0.0025				
9/2/2022		<0.0025		<0.0025			<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0025	<0.0025						
2/23/2016			<0.0025	<0.0025	<0.0005		<0.0005	
4/25/2016	<0.0025	<0.0025						
4/26/2016			<0.0025	<0.0025				
4/27/2016					<0.0005		<0.0005	
6/27/2016	<0.0025	<0.0025						
6/28/2016			<0.0025	<0.0025	<0.0005		<0.0005	
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0005			
8/30/2016							<0.0005	
11/1/2016	<0.0025	<0.0025						
11/2/2016			<0.0025	<0.0025	<0.0005			
11/3/2016							<0.0005	
1/4/2017	<0.0025	<0.0025						
1/5/2017			<0.0025	<0.0025	<0.0005		<0.0005	
3/10/2017	<0.0025	<0.0025						
3/11/2017			<0.0025	<0.0025	<0.0005		<0.0005	
5/11/2017	<0.0025	<0.0025	<0.0025					
5/12/2017				<0.0025	<0.0005		<0.0005	
3/20/2018		<0.0025						
3/21/2018	<0.0025		<0.0025	<0.0025				
3/22/2018					<0.0005			
3/23/2018							<0.0005	
3/11/2019	<0.0025	<0.0025			<0.0005		<0.0005	
3/12/2019			<0.0025	<0.0025				
5/5/2020	<0.0025	<0.0025						
5/6/2020			<0.0025	<0.0025			<0.0005	
5/7/2020					<0.0005			
9/29/2020	<0.0025	<0.0025						
9/30/2020			<0.0025	<0.0025				
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025				
9/16/2021	<0.0025	<0.0025						
9/17/2021			<0.0025	<0.0025				
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
9/1/2022	<0.0025	<0.0025						
9/2/2022			<0.0025	<0.0025		<0.0025		
9/6/2022								<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			150		23				
2/23/2016	670					900		270	
4/26/2016	600		170		33				
4/27/2016						900		250	
6/27/2016					29				
6/28/2016	570		160			870		260	
8/29/2016					28	870		270	
8/30/2016	610		160						
11/1/2016					36				
11/2/2016						860			
11/3/2016	550		140					230	
1/4/2017					36				
1/5/2017	540		150			870		270	
3/10/2017					37				
3/11/2017	610		150			920		310	
5/11/2017					31				
5/12/2017	560		110			840		300	
10/12/2017					32				
10/13/2017	520		83			810		300	
3/20/2018					34				
3/21/2018			99						
3/22/2018	510					740		250	
6/6/2018					30				
6/7/2018	500		100			670		260	
11/19/2018					38	550		290	
11/20/2018	440		120						
3/11/2019	480		200		31			270	
3/12/2019						660			
5/28/2019					37				
5/29/2019			190			640			
5/30/2019	440							230	
11/18/2019	460		220		30				
11/19/2019						660		230	
5/5/2020					31				
5/6/2020	450		160						
5/7/2020						560		290	
9/29/2020					41				
2/9/2021					26				
9/16/2021					250 (O)				
4/14/2022		670			30				
4/15/2022							470		47
9/1/2022					31				
9/2/2022		620		160			390		54

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			2600		140				
2/23/2016	2800					4300		2200	
4/26/2016	3300		3000		190				
4/27/2016						4200		2700	
6/27/2016					170				
6/28/2016	3200		2900			4300		2700	
8/29/2016					180	4100		2800	
8/30/2016	3300		2900						
11/1/2016					230				
11/2/2016						5400			
11/3/2016	3000		2900					2700	
1/4/2017					220				
1/5/2017	2900		2700			4900		2500	
3/10/2017					210				
3/11/2017	2800		2500			4700		2400	
5/11/2017					200				
5/12/2017	3000		2000			3600		2600	
10/12/2017					190				
10/13/2017	2900		1600			4800		2400	
3/20/2018					190				
3/21/2018			1900						
3/22/2018	2700					4100		2000	
6/6/2018					190				
6/7/2018	2700		2000			4300		2200	
11/19/2018					210	4500		2400	
11/20/2018	2800		2400						
3/11/2019	2700		2900		190			2200	
3/12/2019						4500			
5/28/2019					190				
5/29/2019			2900			4300			
5/30/2019	2600							2000	
11/18/2019	2400		3200		210				
11/19/2019						4600		1800	
5/5/2020					200				
5/6/2020	2500		2700						
5/7/2020						4300		1900	
9/29/2020					200				
2/9/2021					150				
9/16/2021					160				
4/14/2022		2600			180				
4/15/2022							3500		100
9/1/2022					160				
9/2/2022		2200		2400			3000		130

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			0.0087 (J)		0.012 (J,O)				
2/23/2016	<0.0025					<0.0025		<0.0025	
4/26/2016	<0.0025		<0.0025		<0.0025				
4/27/2016						<0.0025		<0.0025	
6/27/2016					<0.0025				
6/28/2016	<0.0025		0.0029			<0.0025		<0.0025	
8/29/2016					<0.0025	<0.0025		<0.0025	
8/30/2016	<0.0025		0.0033						
11/1/2016					<0.0025				
11/2/2016						<0.0025			
11/3/2016	<0.0025		0.003					<0.0025	
1/4/2017					<0.0025				
1/5/2017	<0.0025		<0.0025 (*)			<0.0025		<0.0025	
3/10/2017					<0.0025				
3/11/2017	0.0015 (J)		0.0046			<0.0025		0.0012 (J)	
5/11/2017					<0.0025				
5/12/2017	<0.0025		0.004			<0.0025		<0.0025	
3/20/2018					<0.0025				
3/21/2018			0.068						
3/22/2018	<0.0025					0.0024 (J)		0.0017 (J)	
6/6/2018					<0.0025				
6/7/2018	<0.0025		0.0048			<0.0025		<0.0025	
11/19/2018					<0.0025	<0.0025		<0.0025	
11/20/2018	<0.0025		0.0036						
3/11/2019	0.003		0.0033		<0.0025			<0.0025	
3/12/2019						<0.0025			
5/28/2019					<0.0025				
5/29/2019			0.0028			<0.0025			
5/30/2019	<0.0025							<0.0025	
11/18/2019	<0.0025		0.002 (I)		<0.0025				
11/19/2019						<0.0025		<0.0025	
5/5/2020					0.0005				
5/6/2020	<0.0025		<0.0025						
5/7/2020						<0.0025		<0.0025	
9/29/2020					<0.0025				
2/9/2021					0.0019 (I)				
9/16/2021					0.0032 (V)				
4/14/2022		<0.0025			<0.0025				
4/15/2022							0.098 (J)		<0.0025
9/1/2022					<0.0025				
9/2/2022		0.0022 (J)		0.0063			0.45		0.0024 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	0.0066 (JV)	0.0074 (J)						
2/23/2016			<0.0025	<0.0025	<0.0025		<0.0025	
4/25/2016	0.0012 (J)	0.0033						
4/26/2016			<0.0025	<0.0025				
4/27/2016					<0.0025		<0.0025	
6/27/2016	<0.0025	0.0021 (J)						
6/28/2016			<0.0025	<0.0025	<0.0025		<0.0025	
8/29/2016	<0.0025	0.0049	<0.0025	<0.0025	<0.0025			
8/30/2016							<0.0025	
11/1/2016	0.0018 (J)	0.0026						
11/2/2016			<0.0025	<0.0025	<0.0025			
11/3/2016							<0.0025	
1/4/2017	<0.0025 (*)	<0.0025 (*)						
1/5/2017			<0.0025	<0.0025 (*)	<0.0025		<0.0025	
3/10/2017	0.0033	0.003						
3/11/2017			<0.0025	0.0025	<0.0025		<0.0025	
5/11/2017	0.0024 (J)	<0.0025	<0.0025					
5/12/2017				0.0011 (J)	<0.0025		<0.0025	
3/20/2018		0.0024 (J)						
3/21/2018	0.0032		<0.0025	0.0013 (J)				
3/22/2018					<0.0025			
3/23/2018							<0.0025	
6/6/2018	0.0029	0.0026						
6/7/2018					<0.0025		<0.0025	
6/8/2018			<0.0025	0.0012 (J)				
11/19/2018	0.0019 (J)	0.0024 (J)	<0.0025	0.0016 (J)	<0.0025			
11/20/2018							<0.0025	
3/11/2019	0.0018 (J)	0.002 (J)			<0.0025		<0.0025	
3/12/2019			<0.0025	0.0035				
5/28/2019	0.002 (J)	<0.0025						
5/29/2019			<0.0025	0.0012 (J)				
5/30/2019					<0.0025		<0.0025	
11/18/2019	0.0024 (I)	<0.0025	<0.0025					
11/19/2019				0.0016 (I)	<0.0025		<0.0025	
5/5/2020	0.0016	0.00064						
5/6/2020			<0.0025	<0.0025			<0.0025	
5/7/2020					<0.0025			
9/29/2020	<0.0025	<0.0025						
9/30/2020			<0.0025	0.0034				
2/9/2021	0.0043	0.0021 (I)	0.0013 (I)	0.0051				
9/16/2021	<0.0025	<0.0025						
9/17/2021			<0.0025	0.0067				
4/14/2022	0.0019 (J)	<0.0025	<0.05 (o)	<0.05 (o)		<0.0025		<0.0025
9/1/2022	0.0017 (J)	0.001 (J)						
9/2/2022			0.0019 (J)	0.004		0.13		
9/6/2022								0.0015 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0025		<0.0025				
2/23/2016	<0.0005					<0.0005		<0.0005	
4/26/2016	<0.0005		<0.0025		<0.0025				
4/27/2016						<0.0005		<0.0005	
6/27/2016					<0.0025				
6/28/2016	<0.0005		<0.0025			<0.0005		<0.0005	
8/29/2016					<0.0025	<0.0005		<0.0005	
8/30/2016	<0.0005		<0.0025						
11/1/2016					<0.0025				
11/2/2016						<0.0005			
11/3/2016	<0.0005		<0.0025					<0.0005	
1/4/2017					<0.0025				
1/5/2017	<0.0005		<0.0025			<0.0005		<0.0005	
3/10/2017					<0.0025				
3/11/2017	<0.0005		<0.0025			<0.0005		<0.0005	
5/11/2017					<0.0025				
5/12/2017	<0.0005		<0.0025			<0.0005		<0.0005	
3/20/2018					<0.0025				
3/21/2018			0.00046 (J)						
3/22/2018	<0.0005					<0.0005		<0.0005	
6/6/2018					<0.0025				
6/7/2018	<0.0005		<0.0025			<0.0005		<0.0005	
11/19/2018					<0.0025	<0.0005		<0.0005	
11/20/2018	<0.0005		<0.0025						
3/11/2019	<0.0005		<0.0025		<0.0025			<0.0005	
3/12/2019						<0.0005			
5/5/2020					<0.0025				
5/6/2020	<0.0005		0.00032 (J)						
5/7/2020						<0.0005		<0.0005	
9/29/2020					<0.0025				
2/9/2021					<0.0025				
9/16/2021					0.26 (O)				
4/14/2022		<0.0025			<0.0025				
4/15/2022							0.00056 (J)		<0.0025
9/1/2022					<0.0025				
9/2/2022		<0.0025		<0.0025			0.0035		<0.0025

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0025	<0.0025						
2/23/2016			<0.0025	<0.0025	<0.005		<0.0025	
4/25/2016	<0.0025	<0.0025						
4/26/2016			<0.0025	<0.0025				
4/27/2016					<0.005		<0.0025	
6/27/2016	<0.0025	<0.0025						
6/28/2016			<0.0025	<0.0025	<0.005		<0.0025	
8/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.005			
8/30/2016							<0.0025	
11/1/2016	<0.0025	<0.0025						
11/2/2016			<0.0025	<0.0025	<0.005			
11/3/2016							<0.0025	
1/4/2017	<0.0025	<0.0025						
1/5/2017			<0.0025	<0.0025	<0.005		<0.0025	
3/10/2017	<0.0025	<0.0025						
3/11/2017			<0.0025	<0.0025	<0.005		<0.0025	
5/11/2017	<0.0025	<0.0025	<0.0025					
5/12/2017				<0.0025	<0.005		<0.0025	
3/20/2018		<0.0025						
3/21/2018	<0.0025		<0.0025	<0.0025				
3/22/2018					<0.005			
3/23/2018							<0.0025	
6/6/2018	<0.0025	<0.0025						
6/7/2018					<0.005		<0.0025	
6/8/2018			<0.0025	<0.0025				
11/19/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.005			
11/20/2018							<0.0025	
3/11/2019	<0.0025	<0.0025			<0.005		<0.0025	
3/12/2019			<0.0025	<0.0025				
5/5/2020	<0.0025	<0.0025						
5/6/2020			<0.0025	0.00029 (J)			0.00018 (J)	
5/7/2020					<0.005			
9/29/2020	<0.0025	<0.0025						
9/30/2020			<0.0025	<0.0025				
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025				
9/16/2021	<0.0025	<0.0025						
9/17/2021			<0.0025	<0.0025				
4/14/2022	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
9/1/2022	<0.0025	<0.0025						
9/2/2022			<0.0025	<0.0025		0.0007 (J)		
9/6/2022								<0.0025

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			32.5		4.64				
2/23/2016	19.4					11.8		6.3	
4/26/2016	25.2		38.6		2.65				
4/27/2016						17.2		9.6	
6/27/2016					2.49				
6/28/2016	28.3		30.2			20.5		9.41	
8/29/2016					2.45	20		8.93	
8/30/2016	23.9		30.4						
11/1/2016					2.59				
11/2/2016						9.47		11.3	
11/3/2016	26.2		25.4						
1/4/2017					2.69				
1/5/2017	29.2		33			13.8		9.88	
3/10/2017					1.84				
3/11/2017	22.8		26.4			15.8		7.75	
5/11/2017					2.12				
5/12/2017	24		19			10.3		8.83	
3/20/2018					1.81				
3/21/2018			26.5						
3/22/2018	19.7					14		4.78	
6/6/2018					2.32				
6/7/2018	18.5		23.6			14.9		4.88	
11/19/2018					2.37	11.6		5.59	
11/20/2018	19.8		28.6						
3/11/2019	18.3		36.5		1.93			4.99	
3/12/2019						11.7			
5/28/2019					-0.0564 (U)				
5/29/2019			37.2			11			
5/30/2019	17.1							3.89	
11/18/2019	16.4		46.4		2.25				
11/19/2019						11.6		4.31	
5/5/2020					1.87				
5/6/2020	19.5		26.9						
5/7/2020						10.9		5.23	
9/29/2020					2.63				
2/9/2021					2.16				
9/16/2021					2.61				
4/14/2022		17.6			2.23				
4/15/2022							15.9		0.955
9/1/2022					2.61				
9/2/2022		14.9		17.3			25.3		1.7

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			0.04 (J)		0.09 (J)				
2/23/2016	0.06 (J)					0.11		0.068 (J)	
4/26/2016	0.04 (J)		<0.14		0.08 (J)				
4/27/2016						0.05 (J)		0.04 (J)	
6/27/2016					0.08 (J)				
6/28/2016	0.04 (J)		<0.14			0.05 (J)		0.04 (J)	
8/29/2016					0.09 (J)	0.05 (J)		0.05 (J)	
8/30/2016	0.04 (J)		<0.14						
11/1/2016					0.08 (J)				
11/2/2016						0.04 (J)			
11/3/2016	<0.14		<0.14					0.04 (J)	
1/4/2017					0.1				
1/5/2017	0.04 (J)		<0.14			0.06 (J)		0.04 (J)	
3/10/2017					0.1				
3/11/2017	<0.14		<0.14			<0.14		<0.14	
5/11/2017					0.1				
5/12/2017	<0.14		<0.14			0.06 (J)		0.05 (J)	
10/12/2017					0.12				
10/13/2017	<0.14		<0.14			0.04		0.05	
3/20/2018					0.12				
3/21/2018			0.05 (J)						
3/22/2018	<0.14					0.04 (J)		0.07 (J)	
6/6/2018					0.12				
6/7/2018	<0.14		<0.14			0.05 (J)		0.08 (J)	
11/19/2018					0.13	0.04 (J)		0.08 (J)	
11/20/2018	<0.14		<0.14						
3/11/2019	<0.14		0.05 (J)		0.12			0.11	
3/12/2019						0.24			
5/28/2019					0.13				
5/29/2019			<0.14			0.04 (J)			
5/30/2019	0.05 (J)							0.09 (J)	
11/18/2019	0.04 (I)		<0.14		0.14				
11/19/2019						0.04 (I)		0.1	
5/5/2020					0.15 (V)				
5/6/2020	0.04 (J)		<0.14						
5/7/2020						0.04 (J)		0.09 (J)	
9/29/2020					0.15				
2/9/2021					0.11				
9/16/2021					0.11				
4/14/2022		0.09 (J)			0.12				
4/15/2022							0.08 (J)		0.29
9/1/2022					<0.14				
9/2/2022		<0.14		0.43 (J)			<0.14		0.33 (J)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	0.06 (J)	0.04 (J)						
2/23/2016			0.085 (J)	0.047 (J)	<0.14		0.077 (J)	
4/25/2016	0.04 (J)	<0.14						
4/26/2016			0.05 (J)	0.04 (J)				
4/27/2016					<0.14		0.04 (J)	
6/27/2016	0.04 (J)	<0.14						
6/28/2016			0.05 (J)	<0.14	<0.14		0.04 (J)	
8/29/2016	0.16	0.04 (J)	<0.14	0.04 (J)	<0.14			
8/30/2016							0.04 (J)	
11/1/2016	0.17	<0.14						
11/2/2016			<0.14	<0.14	<0.14			
11/3/2016							0.04 (J)	
1/4/2017	0.23	<0.14						
1/5/2017			<0.14	<0.14	<0.14		0.04 (J)	
3/10/2017	0.21	<0.14						
3/11/2017			0.04 (J)	<0.14	<0.14		<0.14	
5/11/2017	0.23	<0.14	0.04 (J)					
5/12/2017				0.04 (J)	<0.14		<0.14	
10/12/2017	0.27	<0.14	0.04	<0.14				
10/13/2017					<0.14		0.04	
3/20/2018		<0.14						
3/21/2018	0.28		0.05 (J)	<0.14				
3/22/2018					<0.14			
3/23/2018							<0.14	
6/6/2018	0.19	0.04 (J)						
6/7/2018					<0.14		0.05 (J)	
6/8/2018			0.05 (J)	<0.14				
11/19/2018	0.12	0.04 (J)	0.04 (J)	<0.14	<0.14			
11/20/2018							<0.14	
3/11/2019	0.08 (J)	0.04 (J)			<0.14		0.04 (J)	
3/12/2019			0.05 (J)	<0.14				
5/28/2019	0.13	0.04 (J)						
5/29/2019			0.05 (J)	<0.14				
5/30/2019					<0.14		0.05 (J)	
11/18/2019	0.17	<0.14	0.05 (I)					
11/19/2019				<0.14	<0.14		0.04 (I)	
5/5/2020	0.09 (J)	0.05 (J)						
5/6/2020			<0.14	<0.14			0.04 (J)	
5/7/2020					<0.14			
9/29/2020	0.06	<0.14						
9/30/2020			<0.14	<0.14				
2/9/2021	0.06 (I)	<0.14	0.04 (I)	<0.14				
9/16/2021	<0.14	<0.14						
9/17/2021			<0.14	<0.14				
4/14/2022	0.14	<0.14	<0.14	<0.14		<0.14		0.08 (J)
9/1/2022	<0.14	<0.14						
9/2/2022			<0.14	<0.14		<0.14		
9/6/2022								<0.14

Time Series

Constituent: Lead (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.00025		<0.0013				
2/23/2016	<0.00025					<0.00025		<0.00025	
4/26/2016	<0.00025		<0.00025		<0.0013				
4/27/2016						<0.00025		<0.00025	
6/27/2016					<0.0013				
6/28/2016	<0.00025		<0.00025			<0.00025		<0.00025	
8/29/2016					<0.0013	<0.00025		<0.00025	
8/30/2016	<0.00025		<0.00025						
11/1/2016					<0.0013				
11/2/2016						<0.00025			
11/3/2016	<0.00025		<0.00025					<0.00025	
1/4/2017					<0.0013				
1/5/2017	<0.00025		<0.00025			<0.00025		<0.00025	
3/10/2017					<0.0013				
3/11/2017	<0.00025		<0.00025			<0.00025		<0.00025	
5/11/2017					<0.0013				
5/12/2017	<0.00025		<0.00025			<0.00025		<0.00025	
3/20/2018					<0.0013				
3/21/2018			<0.00025						
3/22/2018	<0.00025					<0.00025		<0.00025	
3/11/2019	0.0093		<0.00025		<0.0013			<0.00025	
3/12/2019						<0.00025			
5/28/2019					<0.0013				
5/29/2019			0.0013			<0.00025			
5/30/2019	<0.00025							<0.00025	
11/18/2019	<0.00025		<0.00025		<0.0013				
11/19/2019						<0.00025		<0.00025	
5/5/2020					<0.0013				
5/6/2020	<0.00025		<0.00025						
5/7/2020						<0.00025		<0.00025	
9/29/2020					<0.0013				
2/9/2021					<0.0013				
9/16/2021					<0.0013				
4/14/2022		<0.0013			<0.0013				
4/15/2022							<0.0013		<0.0013
9/1/2022					<0.0013				
9/2/2022		<0.0013		<0.0013			<0.0013		<0.0013

Time Series

Constituent: Lead (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0013	<0.0013						
2/23/2016			<0.0013	<0.0013	<0.00025		<0.00025	
4/25/2016	<0.0013	<0.0013						
4/26/2016			<0.0013	<0.0013				
4/27/2016					<0.00025		<0.00025	
6/27/2016	<0.0013	<0.0013						
6/28/2016			<0.0013	<0.0013	<0.00025		<0.00025	
8/29/2016	<0.0013	0.00039 (J)	<0.0013	<0.0013	<0.00025			
8/30/2016							<0.00025	
11/1/2016	<0.0013	<0.0013						
11/2/2016			<0.0013	<0.0013	<0.00025			
11/3/2016							<0.00025	
1/4/2017	<0.0013	0.00039 (J)						
1/5/2017			<0.0013	<0.0013	<0.00025		<0.00025	
3/10/2017	<0.0013	<0.0013						
3/11/2017			<0.0013	<0.0013	<0.00025		<0.00025	
5/11/2017	<0.0013	<0.0013	<0.0013					
5/12/2017				<0.0013	<0.00025		<0.00025	
3/20/2018		<0.0013						
3/21/2018	<0.0013		<0.0013	<0.0013				
3/22/2018					<0.00025			
3/23/2018							<0.00025	
3/11/2019	<0.0013	<0.0013			<0.00025		<0.00025	
3/12/2019			<0.0013	<0.0013				
5/28/2019	<0.0013	<0.0013						
5/29/2019			<0.0013	<0.0013				
5/30/2019					<0.00025		<0.00025	
11/18/2019	<0.0013	<0.0013	<0.0013					
11/19/2019				<0.0013	<0.00025		<0.00025	
5/5/2020	<0.0013	<0.0013						
5/6/2020			<0.0013	<0.0013			<0.00025	
5/7/2020					<0.00025			
9/29/2020	<0.0013	<0.0013						
9/30/2020			<0.0013	<0.0013				
2/9/2021	<0.0013	<0.0013	<0.0013	<0.0013				
9/16/2021	<0.0013	<0.0013						
9/17/2021			<0.0013	<0.0013				
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013		<0.0013		<0.0013
9/1/2022	<0.0013	<0.0013						
9/2/2022			<0.0013	<0.0013		<0.0013		
9/6/2022								<0.0013

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.005		<0.005				
2/23/2016	<0.005					0.17		<0.005	
4/26/2016	<0.005		<0.005		0.025				
4/27/2016						0.17		<0.005	
6/27/2016					0.0085				
6/28/2016	0.0069		<0.005			0.18		<0.005	
8/29/2016					0.01	0.19		<0.005	
8/30/2016	0.0069		<0.005						
11/1/2016					0.011				
11/2/2016						0.19			
11/3/2016	0.0067		<0.005					<0.005	
1/4/2017					0.012				
1/5/2017	0.0049 (J)		<0.005			0.21		<0.005	
3/10/2017					0.011				
3/11/2017	0.006		0.0044 (J)			0.19		<0.005	
5/11/2017					0.0098				
5/12/2017	0.0044 (J)		<0.005			0.28		<0.005	
3/20/2018					0.016				
3/21/2018			0.012						
3/22/2018	0.0065					0.25		0.0013 (J)	
6/6/2018					0.011				
6/7/2018	0.0054		0.0038 (J)			0.2		<0.005	
11/19/2018					0.011	0.26		<0.005	
11/20/2018	0.0048 (J)		0.011						
3/11/2019	0.0051		0.0058		0.014			0.002 (J)	
3/12/2019						0.19			
5/28/2019					0.013				
5/29/2019			0.0021 (J)			0.18			
5/30/2019	0.0051							0.0026 (J)	
11/18/2019	<0.005		<0.005		0.015				
11/19/2019						0.16		<0.005	
5/5/2020					0.014				
5/6/2020	0.0071		<0.005						
5/7/2020						0.15		0.0037	
9/29/2020					0.017				
2/9/2021					0.012				
9/16/2021					0.17 (O)				
4/14/2022		<0.005			0.011				
4/15/2022							<0.005		0.15
9/1/2022					0.012				
9/2/2022		0.0064		0.018			0.008		0.18

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.005	<0.005						
2/23/2016			0.029	<0.005	<0.005		0.016	
4/25/2016	<0.005	0.013						
4/26/2016			0.019 (J)	<0.005				
4/27/2016					<0.005		<0.005	
6/27/2016	<0.005	0.01						
6/28/2016			0.02	<0.005	0.0089		0.0072	
8/29/2016	<0.005	0.013	<0.005	<0.005	0.008			
8/30/2016							0.0071	
11/1/2016	0.0087	0.013						
11/2/2016			0.013	<0.005	0.0078			
11/3/2016							0.0055	
1/4/2017	0.0079	0.012						
1/5/2017			0.0047 (J)	<0.005	0.0081		0.0049 (J)	
3/10/2017	0.0049 (J)	0.013						
3/11/2017			0.018	<0.005	0.007		0.0067	
5/11/2017	0.0073	0.0096	0.011					
5/12/2017				<0.005	0.0067		0.0048 (J)	
3/20/2018		0.016						
3/21/2018	0.012		0.019	0.0023 (J)				
3/22/2018					0.011			
3/23/2018							0.0056	
6/6/2018	0.0051	0.011						
6/7/2018					0.0076		0.0026 (J)	
6/8/2018			0.014	0.0018 (J)				
11/19/2018	0.0028 (J)	0.011	0.024	0.0047 (J)	0.015			
11/20/2018							0.0013 (J)	
3/11/2019	0.0024 (J)	0.013			0.0075		0.0023 (J)	
3/12/2019			0.017	0.002 (J)				
5/28/2019	0.0012 (J)	0.011						
5/29/2019			0.012	0.002 (J)				
5/30/2019					0.0089		0.0028 (J)	
11/18/2019	0.0032	0.011	0.028 (I)					
11/19/2019				<0.005	<0.005		<0.005	
5/5/2020	0.0019	0.013						
5/6/2020			0.0085	0.0019			0.0034	
5/7/2020					0.011			
9/29/2020	<0.005	0.011						
9/30/2020			0.01	<0.005				
2/9/2021	<0.005	0.0082	0.015 (I)	<0.005				
9/16/2021	<0.005	0.014						
9/17/2021			0.012	<0.005				
4/14/2022	<0.005	0.01	<0.1 (o)	<0.1 (o)		<0.005		<0.005
9/1/2022	<0.005	0.01						
9/2/2022			0.017	<0.005		0.0054		
9/6/2022								0.006

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0002		<0.0002				
2/23/2016	8.9E-05 (J)					<0.0002 (*)		<0.0002	
4/26/2016	<0.0002		<0.0002		<0.0002				
4/27/2016						<0.0002		<0.0002	
6/27/2016					<0.0002				
6/28/2016	<0.0002		<0.0002			<0.0002		<0.0002	
8/29/2016					<0.0002	<0.0002		<0.0002	
8/30/2016	<0.0002		<0.0002						
11/1/2016					<0.0002				
11/2/2016						<0.0002			
11/3/2016	<0.0002		<0.0002					<0.0002	
1/4/2017					<0.0002				
1/5/2017	<0.0002		<0.0002			<0.0002		<0.0002	
3/10/2017					<0.0002				
3/11/2017	<0.0002		<0.0002			<0.0002		<0.0002	
5/11/2017					<0.0002				
5/12/2017	<0.0002		<0.0002			<0.0002		<0.0002	
3/20/2018					<0.0002				
3/21/2018			<0.0002						
3/22/2018	<0.0002					<0.0002		<0.0002	
3/11/2019	<0.0002		<0.0002		<0.0002			<0.0002	
3/12/2019						<0.0002			
5/5/2020					<0.0002				
5/6/2020	<0.0002		<0.0002						
5/7/2020						<0.0002		<0.0002	
9/29/2020					<0.0002				
2/9/2021					<0.0002				
9/16/2021					<0.0002				
4/14/2022		<0.0002			<0.0002				
4/15/2022							<0.0002		<0.0002
9/1/2022					<0.0002				
9/2/2022		<0.0002		<0.0002			<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0002	<0.0002						
2/23/2016			<0.0002 (*)	<0.0002	<0.0002 (*)		<0.0002 (*)	
4/25/2016	<0.0002	<0.0002						
4/26/2016			<0.0002	<0.0002				
4/27/2016					<0.0002		<0.0002	
6/27/2016	<0.0002	7.1E-05 (J)						
6/28/2016			<0.0002	<0.0002	<0.0002		<0.0002	
8/29/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
8/30/2016							<0.0002	
11/1/2016	<0.0002	<0.0002						
11/2/2016			<0.0002	<0.0002	<0.0002			
11/3/2016							<0.0002	
1/4/2017	<0.0002	<0.0002						
1/5/2017			<0.0002	<0.0002	<0.0002		<0.0002	
3/10/2017	<0.0002	<0.0002						
3/11/2017			<0.0002	<0.0002	<0.0002		<0.0002	
5/11/2017	<0.0002	<0.0002	<0.0002					
5/12/2017				<0.0002	<0.0002		<0.0002	
3/20/2018		<0.0002						
3/21/2018	<0.0002		<0.0002	<0.0002				
3/22/2018					<0.0002			
3/23/2018							<0.0002	
3/11/2019	<0.0002	<0.0002			<0.0002		<0.0002	
3/12/2019			<0.0002	<0.0002				
5/5/2020	<0.0002	<0.0002						
5/6/2020			<0.0002	<0.0002			<0.0002	
5/7/2020					<0.0002			
9/29/2020	<0.0002	<0.0002						
9/30/2020			<0.0002	<0.0002				
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002				
9/16/2021	<0.0002	<0.0002						
9/17/2021			<0.0002	<0.0002				
4/14/2022	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
9/1/2022	<0.0002	<0.0002						
9/2/2022			<0.0002	<0.0002		<0.0002		
9/6/2022								<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			0.0089 (J)		<0.015				
2/23/2016	0.0031 (J)					0.03 (J)		0.0083 (J)	
4/26/2016	<0.003		0.0098 (J)		<0.015				
4/27/2016						0.028 (J)		0.019 (J)	
6/27/2016					<0.015				
6/28/2016	0.0027 (J)		0.0098 (J)			0.0058 (J)		0.017	
8/29/2016					<0.015	0.029		0.015	
8/30/2016	0.0027 (J)		0.012 (J)						
11/1/2016					<0.015				
11/2/2016						0.0066 (J)			
11/3/2016	0.00097 (J)		0.013 (J)					0.014 (J)	
1/4/2017					<0.015				
1/5/2017	0.0041 (J)		0.017			0.0094 (J)		0.018	
3/10/2017					<0.015				
3/11/2017	<0.003 (*)		<0.016 (*)			0.028		0.016	
5/11/2017					<0.015				
5/12/2017	<0.003 (*)		0.018			<0.015 (*)		0.015	
3/20/2018					<0.015				
3/21/2018			0.017						
3/22/2018	0.0018 (J)					0.033		0.017	
6/6/2018					<0.015				
6/7/2018	0.001 (J)		0.013 (J)			0.042		0.016	
11/19/2018					<0.015	0.02		0.013 (J)	
11/20/2018	0.0028 (J)		0.0069 (J)						
3/11/2019	<0.003		0.0082 (J)		<0.015			0.017	
3/12/2019						0.017			
5/28/2019					<0.015				
5/29/2019			0.0086 (J)			0.01 (J)			
5/30/2019	<0.003							0.017	
11/18/2019	<0.003		0.022		<0.015				
11/19/2019						0.019		0.022	
5/5/2020					<0.015				
5/6/2020	<0.003		0.032						
5/7/2020						0.0085		0.094	
9/29/2020					<0.015				
2/9/2021					<0.015				
9/16/2021					<0.015				
4/14/2022		<0.015			<0.015				
4/15/2022							0.002 (J)		0.0093 (J)
9/1/2022					<0.015				
9/2/2022		<0.015		0.0036 (J)			0.0093 (J)		0.0094 (J)

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.015	<0.015						
2/23/2016			0.0011 (J)	0.0042 (J)	<0.003		<0.015	
4/25/2016	<0.015	<0.015						
4/26/2016			<0.015	<0.015				
4/27/2016					<0.003		<0.015	
6/27/2016	<0.015	<0.015						
6/28/2016			<0.015	0.0061 (J)	<0.003		<0.015	
8/29/2016	0.0009 (J)	<0.015	<0.015	0.005 (J)	<0.003			
8/30/2016							<0.015	
11/1/2016	<0.015	<0.015						
11/2/2016			<0.015	0.0066 (J)	<0.003			
11/3/2016							<0.015	
1/4/2017	0.0011 (J)	<0.015						
1/5/2017			<0.015	0.0087 (J)	<0.003		0.0014 (J)	
3/10/2017	<0.015 (*)	<0.015						
3/11/2017			<0.015 (*)	<0.015 (*)	<0.003		<0.015	
5/11/2017	<0.015	<0.015	<0.015					
5/12/2017				<0.015 (*)	<0.003		<0.015	
3/20/2018		<0.015						
3/21/2018	<0.015		<0.015	0.0058 (J)				
3/22/2018					<0.003			
3/23/2018							0.0014 (J)	
6/6/2018	<0.015	<0.015						
6/7/2018					<0.003		0.0036 (J)	
6/8/2018			<0.015	0.0067 (J)				
11/19/2018	<0.015	<0.015	<0.015	<0.015	<0.003			
11/20/2018							<0.015	
3/11/2019	<0.015	<0.015			<0.003		0.0056 (J)	
3/12/2019			<0.015	<0.015				
5/28/2019	<0.015	<0.015						
5/29/2019			<0.015	0.0033 (J)				
5/30/2019					<0.003		0.0023 (J)	
11/18/2019	<0.015	<0.015	<0.015					
11/19/2019				0.0068 (I)	<0.003		<0.015	
5/5/2020	<0.015	<0.015						
5/6/2020			<0.015	0.012			0.006	
5/7/2020					<0.003			
9/29/2020	<0.015	<0.015						
9/30/2020			<0.015	0.0061				
2/9/2021	<0.015	<0.015	<0.015	0.017				
9/16/2021	<0.015	<0.015						
9/17/2021			<0.015	<0.015				
4/14/2022	<0.015	<0.015	<0.015	0.0031 (J)		<0.015		<0.015
9/1/2022	<0.015	<0.015						
9/2/2022			<0.015	0.0034 (J)		0.0052 (J)		
9/6/2022								0.0029 (J)

Time Series

Constituent: pH, Field (SU) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			6.33 (B01)		6.19 (B01)				
2/23/2016	5.2 (B01)					7.47 (B01)		6.9 (B01)	
4/26/2016	5.24 (B02)		6.27 (B02)		5.99 (B02)				
4/27/2016						7.08 (B02)		6.62 (B02)	
6/27/2016					6.04 (B03)				
6/28/2016	5.25 (B03)		6.76 (B03)			7.15 (B03)		6.69 (B03)	
8/29/2016					6.01 (B04)	6.97 (B04)		6.65 (B04)	
8/30/2016	5.31 (B04)		6.59 (B04)						
11/1/2016					6.03 (B05)				
11/2/2016						6.96 (B05)		6.65 (B05)	
11/3/2016	5.07 (B05)		6.54 (B05)						
1/4/2017					6.1 (B06)				
1/5/2017	5.3 (B06)		6.5 (B06)			7.02 (B06)		6.7 (B06)	
3/10/2017					6.1 (B07)				
3/11/2017	5.24 (B07)		6.32 (B07)			6.97 (B07)		6.63 (B07)	
5/11/2017					5.95 (B08)				
5/12/2017	5.12 (B08)		6.61 (B08)			7.21 (B08)		6.66 (B08)	
10/12/2017					5.9				
10/13/2017	5.33		6.73			6.87		6.68	
6/6/2018					6.04				
6/7/2018	5.35		6.39			6.86		6.88	
11/19/2018					6.11	6.99		6.86	
11/20/2018	5.18		6.35						
3/11/2019	5.24		6.24		6.15			6.92	
3/12/2019						6.96			
5/28/2019					6.62				
5/29/2019			6.4			6.96			
5/30/2019	5.06							6.96	
5/5/2020					6.09				
5/6/2020	5.09		6.78						
5/7/2020						7.14		7.02	
9/29/2020					6.08				
2/9/2021					5.96				
9/16/2021					5.9				
4/14/2022		6.76			6.04				
4/15/2022							5.92		7.65
9/1/2022					6				
9/2/2022		6.49		6.41			5.97		7.5

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0025		<0.0013				
2/23/2016	<0.0025					<0.00025		<0.00025	
4/26/2016	<0.0025		<0.0025		<0.0013				
4/27/2016						<0.00025		<0.00025	
6/27/2016					<0.0013				
6/28/2016	<0.0025 (*)		<0.0025 (*)			<0.00025		<0.00025 (*)	
8/29/2016					<0.0013	<0.00025		0.00024 (J)	
8/30/2016	0.00025 (J)		0.00046 (J)						
11/1/2016					<0.0013				
11/2/2016						0.00044 (J)			
11/3/2016	<0.0025		0.00058 (J)					<0.00025	
1/4/2017					<0.0013				
1/5/2017	0.00041 (J)		0.00051 (J)			0.0009 (J)		<0.00025	
3/10/2017					<0.0013				
3/11/2017	<0.0025		<0.0025 (*)			<0.00025		<0.00025	
5/11/2017					<0.0013				
5/12/2017	<0.0025		<0.0025			<0.00025		<0.00025	
3/20/2018					<0.0013				
3/21/2018			0.00066 (J)						
3/22/2018	<0.0025					<0.00025		<0.00025	
6/6/2018					<0.0013				
6/7/2018	<0.0025		0.0006 (J)			0.00031 (J)		0.00041 (J)	
11/19/2018					<0.0013	<0.00025		<0.00025	
11/20/2018	<0.0025		<0.0025						
3/11/2019	<0.0025		<0.0025		<0.0013			<0.00025	
3/12/2019						<0.00025			
5/5/2020					<0.0013				
5/6/2020	<0.0025		<0.0025						
5/7/2020						<0.00025		<0.00025	
9/29/2020					<0.0013				
2/9/2021					<0.0013				
9/16/2021					0.009 (O)				
4/14/2022		<0.0013			<0.0013				
4/15/2022							<0.0013		<0.0013
9/1/2022					<0.0013				
9/2/2022		<0.0013		0.00089 (J)			<0.0013		<0.0013

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0013	<0.0013						
2/23/2016			<0.0013	<0.0013	<0.0025		<0.005	
4/25/2016	0.00038 (J)	<0.0013						
4/26/2016			<0.0013	<0.0013				
4/27/2016					<0.0025		<0.005	
6/27/2016	<0.0013	<0.0013						
6/28/2016			<0.0013 (*)	<0.0013 (*)	<0.0025 (*)		<0.005 (*)	
8/29/2016	<0.0013	<0.0013	0.00027 (J)	0.0003 (J)	0.00064 (J)			
8/30/2016							0.00035 (J)	
11/1/2016	<0.0013	<0.0013						
11/2/2016			<0.0013	<0.0013	<0.0025			
11/3/2016							<0.005	
1/4/2017	<0.0013	<0.0013						
1/5/2017			0.0012 (J)	0.00028 (J)	0.00097 (J)		0.00033 (J)	
3/10/2017	<0.0013 (*)	<0.0013						
3/11/2017			<0.0013 (*)	<0.0013	<0.0025		<0.005	
5/11/2017	<0.0013	<0.0013	<0.0013					
5/12/2017				<0.0013	<0.0025		<0.005	
3/20/2018		0.00069 (J)						
3/21/2018	<0.0013		0.00037 (J)	0.00062 (J)				
3/22/2018					0.0003 (J)			
3/23/2018							<0.005	
6/6/2018	<0.0013	0.0003 (J)						
6/7/2018					0.00032 (J)		<0.005	
6/8/2018			0.00025 (J)	0.00028 (J)				
11/19/2018	<0.0013	<0.0013	<0.0013	<0.0013	<0.0025			
11/20/2018							<0.005	
3/11/2019	<0.0013	<0.0013			<0.0025		<0.005	
3/12/2019			<0.0013	<0.0013				
5/5/2020	<0.0013	<0.0013						
5/6/2020			<0.0013	<0.0013			<0.005	
5/7/2020					<0.0025			
9/29/2020	<0.0013	<0.0013						
9/30/2020			<0.0013	<0.0013				
2/9/2021	<0.0013	<0.0013	<0.0013	<0.0013				
9/16/2021	<0.0013	<0.0013						
9/17/2021			<0.0013	<0.0013				
4/14/2022	<0.0013	<0.0013	<0.0013	<0.0013		<0.0013		<0.0013
9/1/2022	<0.0013	<0.0013						
9/2/2022			<0.0013	<0.0013		0.0012 (J)		
9/6/2022								0.0022

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			350		<5				
2/23/2016	590					730		450	
4/26/2016	1000		390		<5				
4/27/2016						1200		670	
6/27/2016					1.6 (J)				
6/28/2016	860		330			1200		580	
8/29/2016					<5	1300		620	
8/30/2016	910		350						
11/1/2016					<5				
11/2/2016						31			
11/3/2016	560		330					570	
1/4/2017					<5				
1/5/2017	900		350			1100		650	
3/10/2017					<5				
3/11/2017	920		320			1300		690	
5/11/2017					<5				
5/12/2017	770		170 (J)			750		560	
10/12/2017					<5				
10/13/2017	790		220			1000		650	
3/20/2018					1.8 (J)				
3/21/2018			240						
3/22/2018	810					970		590	
6/6/2018					2.3 (J)				
6/7/2018	830		240			840		590	
11/19/2018					2.2 (J)	810		720	
11/20/2018	830		250						
3/11/2019	860		310		1.5 (J)			640	
3/12/2019						880			
5/28/2019					3 (J)				
5/29/2019			350			830			
5/30/2019	800							550	
11/18/2019	660		340		<5				
11/19/2019						670		65 (I)	
5/5/2020					<5				
5/6/2020	640		270						
5/7/2020						530		490	
9/29/2020					3.3				
2/9/2021					<5				
9/16/2021					<5				
4/14/2022		880			18				
4/15/2022							610		140
9/1/2022					19				
9/2/2022		900		350			600		140

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	6.3	<5						
2/23/2016			480	320	630		570	
4/25/2016	6.1	1.4 (J)						
4/26/2016			780	570				
4/27/2016					1000		880	
6/27/2016	6.6	<5						
6/28/2016			680	580	910		780	
8/29/2016	4.5 (J)	<5	470 (J)	630	970			
8/30/2016							820	
11/1/2016	<5	<5						
11/2/2016			530	570	580			
11/3/2016							510	
1/4/2017	<5 (*)	<5 (*)						
1/5/2017			490	640	950		830	
3/10/2017	2.3 (J)	<5						
3/11/2017			660	710	990		840	
5/11/2017	<5	<5	570					
5/12/2017				600	840		670	
10/12/2017	<5	<5	520	670				
10/13/2017					910		760	
3/20/2018		<5						
3/21/2018	<5		530	720				
3/22/2018					900			
3/23/2018							630	
6/6/2018	4.8 (J)	<5						
6/7/2018					910		640	
6/8/2018			560	750				
11/19/2018	4.4 (J)	7.473 (D)	520	910	960			
11/20/2018							580	
3/11/2019	5.2	<5			920		560	
3/12/2019			510	870				
5/28/2019	4.3 (J)	<5						
5/29/2019			460	870				
5/30/2019					940		550	
11/18/2019	2.8 (I)	<5	350					
11/19/2019				650	720		1100 (I)	
5/5/2020	4.4 (J)	<5						
5/6/2020			320	550			440	
5/7/2020					760			
9/29/2020	4.8	<5						
9/30/2020			430	630				
2/9/2021	9.2	<5	360	420				
9/16/2021	5	<5						
9/17/2021			300	320				
4/14/2022	9.6	3 (J)	370	520		810		530
9/1/2022	4.5 (J)	1.4 (J)						
9/2/2022			390	580		910		
9/6/2022								620

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			<0.0001		<0.0005				
2/23/2016	<0.0001					<0.0001		<0.0001	
4/26/2016	<0.0001		<0.0001		<0.0005				
4/27/2016						<0.0001		<0.0001	
6/27/2016					<0.0005				
6/28/2016	<0.0001		<0.0001			<0.0001		<0.0001	
8/29/2016					<0.0005	<0.0001		<0.0001	
8/30/2016	<0.0001		<0.0001						
11/1/2016					<0.0005				
11/2/2016						<0.0001			
11/3/2016	<0.0001		<0.0001					<0.0001	
1/4/2017					<0.0005				
1/5/2017	<0.0001		<0.0001			<0.0001		<0.0001	
3/10/2017					<0.0005				
3/11/2017	<0.0001		<0.0001			<0.0001		<0.0001	
5/11/2017					<0.0005				
5/12/2017	<0.0001		<0.0001			<0.0001		<0.0001	
3/20/2018					<0.0005				
3/21/2018			<0.0001						
3/22/2018	<0.0001					<0.0001		<0.0001	
3/11/2019	<0.0001		<0.0001		<0.0005			<0.0001	
3/12/2019						<0.0001			
5/5/2020					<0.0005				
5/6/2020	<0.0001		<0.0001						
5/7/2020						<0.0001		<0.0001	
9/29/2020					<0.0005				
2/9/2021					<0.0005				
9/16/2021					0.0043 (O)				
4/14/2022		<0.0005			<0.0005				
4/15/2022							<0.0005		<0.0005
9/1/2022					<0.0005				
9/2/2022		<0.0005		<0.0005			<0.0005		<0.0005

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2 (bg)	MW-3 (bg)	MW-6	MW-7	MW-8	MW-8R	MW-9	MW-9R
2/22/2016	<0.0005	<0.0005						
2/23/2016			<0.0005	<0.0005	<0.0001		<0.0001	
4/25/2016	<0.0005	<0.0005						
4/26/2016			<0.0005	<0.0005				
4/27/2016					<0.0001		<0.0001	
6/27/2016	<0.0005	<0.0005						
6/28/2016			<0.0005	<0.0005	<0.0001		<0.0001	
8/29/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001			
8/30/2016							<0.0001	
11/1/2016	<0.0005	<0.0005						
11/2/2016			<0.0005	<0.0005	<0.0001			
11/3/2016							<0.0001	
1/4/2017	<0.0005	<0.0005						
1/5/2017			<0.0005	<0.0005	<0.0001		<0.0001	
3/10/2017	<0.0005	<0.0005						
3/11/2017			<0.0005	<0.0005	<0.0001		<0.0001	
5/11/2017	<0.0005	<0.0005	<0.0005					
5/12/2017				<0.0005	<0.0001		<0.0001	
3/20/2018		<0.0005						
3/21/2018	<0.0005		<0.0005	<0.0005				
3/22/2018					<0.0001			
3/23/2018							<0.0001	
3/11/2019	<0.0005	<0.0005			<0.0001		<0.0001	
3/12/2019			<0.0005	<0.0005				
5/5/2020	<0.0005	<0.0005						
5/6/2020			<0.0005	<0.0005			<0.0001	
5/7/2020					<0.0001			
9/29/2020	<0.0005	<0.0005						
9/30/2020			<0.0005	<0.0005				
2/9/2021	<0.0005	<0.0005	<0.0005	<0.0005				
9/16/2021	<0.0005	<0.0005						
9/17/2021			<0.0005	<0.0005				
4/14/2022	<0.0005	<0.0005	<0.01 (o)	<0.01 (o)		<0.0005		<0.0005
9/1/2022	<0.0005	<0.0005						
9/2/2022			<0.0005	<0.0005		<0.0005		
9/6/2022								<0.0005

Time Series

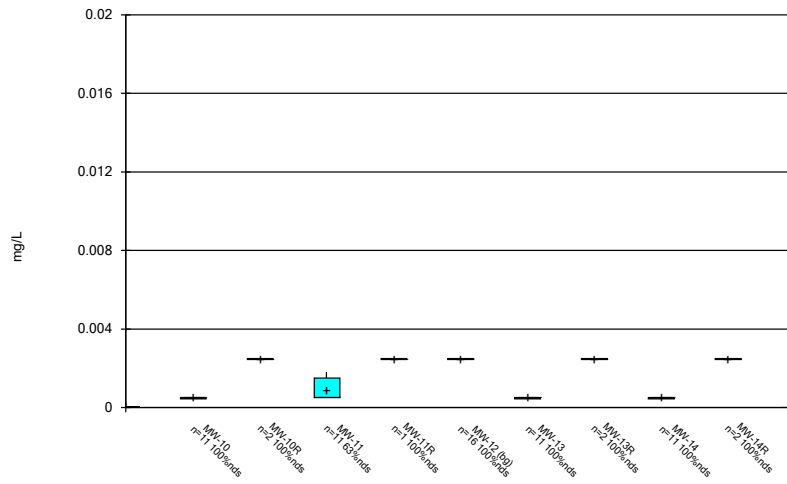
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/13/2023 2:21 PM

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-10	MW-10R	MW-11	MW-11R	MW-12 (bg)	MW-13	MW-13R	MW-14	MW-14R
2/22/2016			5200		410				
2/23/2016	7100					9200		4900	
5/11/2016	6600		5700		410	11000			
5/12/2016								5100	
6/27/2016					4200 (O)				
6/28/2016	6900		5100			5400		5400	
8/29/2016					490	11000		4800	
8/30/2016	6800		4600						
11/1/2016					540				
11/2/2016						11000			
11/3/2016	6900		4400					5500	
1/4/2017					520				
1/5/2017	5900		3800			11000		4700	
3/10/2017					490				
3/11/2017	5700		4400			8900		5000	
5/11/2017					490				
5/12/2017	6200		3600			9600		5600	
10/12/2017					470				
10/13/2017	6400		3000			9600		5000	
3/20/2018					510				
3/21/2018			3600						
3/22/2018	6800					11000		4800	
6/6/2018					460				
6/7/2018	5800		3400			8200		4200	
11/19/2018					490	8600		4900	
11/20/2018	6000		4100						
3/11/2019	6400		6000		440			45500 (OD)	
3/12/2019						9600			
5/28/2019					540				
5/29/2019			5600			9200			
5/30/2019	5900							4300	
11/18/2019	6300		6900		560				
11/19/2019						8500		4200	
5/5/2020					430				
5/6/2020	5400		5200						
5/7/2020						9100		4400	
9/29/2020					580				
2/9/2021					500				
9/16/2021					430				
4/14/2022		6000			480				
4/15/2022							6800		140
9/1/2022					530				
9/2/2022		5800		4600			6000		660

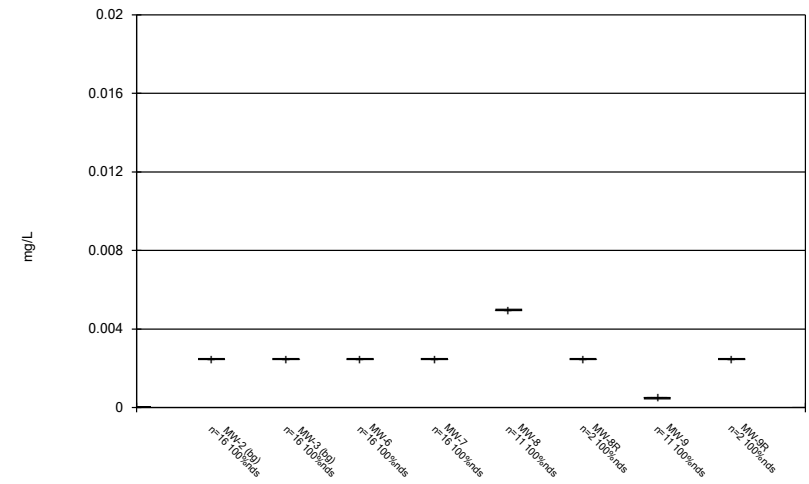
FIGURE B.

Box & Whiskers Plot



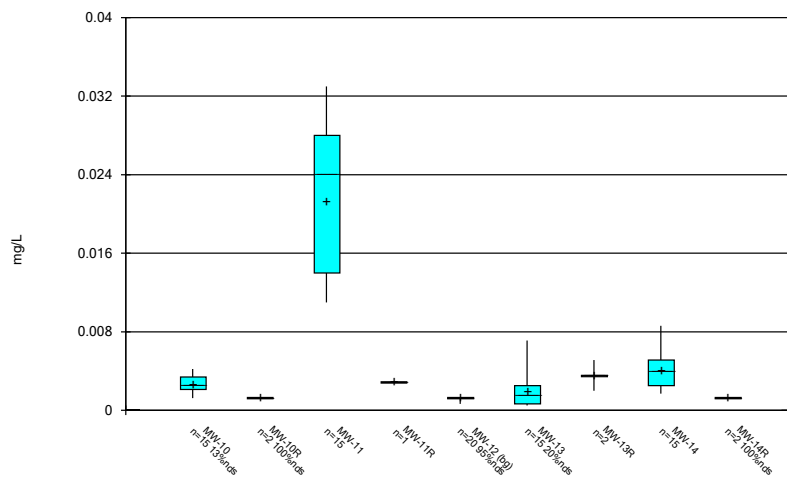
Constituent: Antimony Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



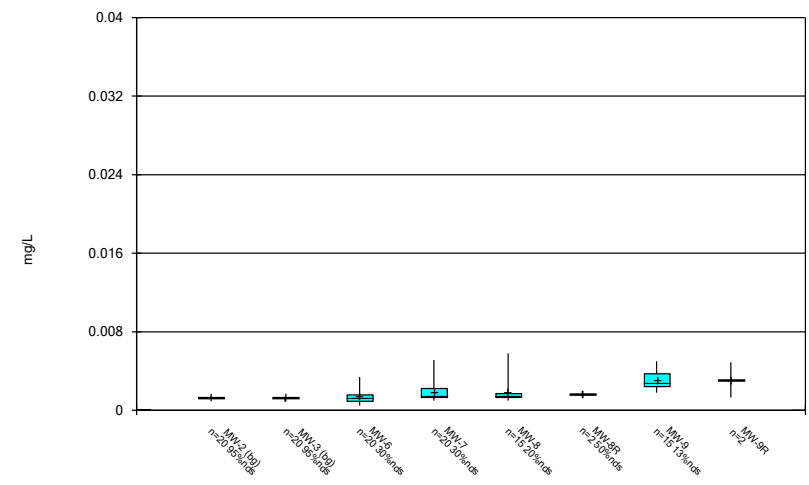
Constituent: Antimony Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



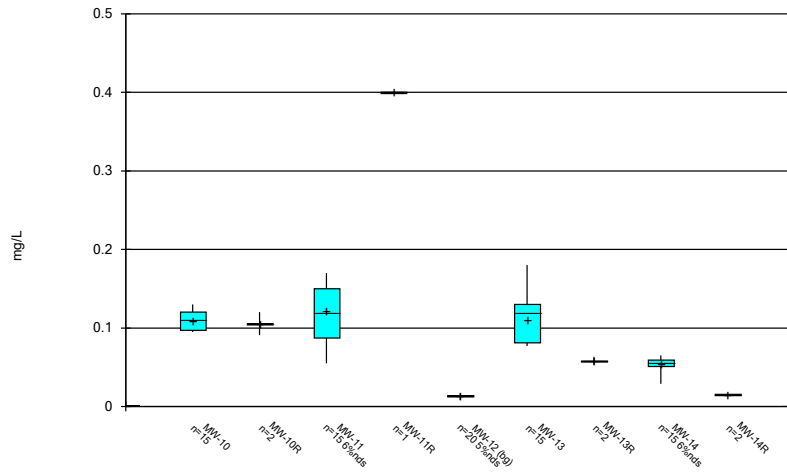
Constituent: Arsenic Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



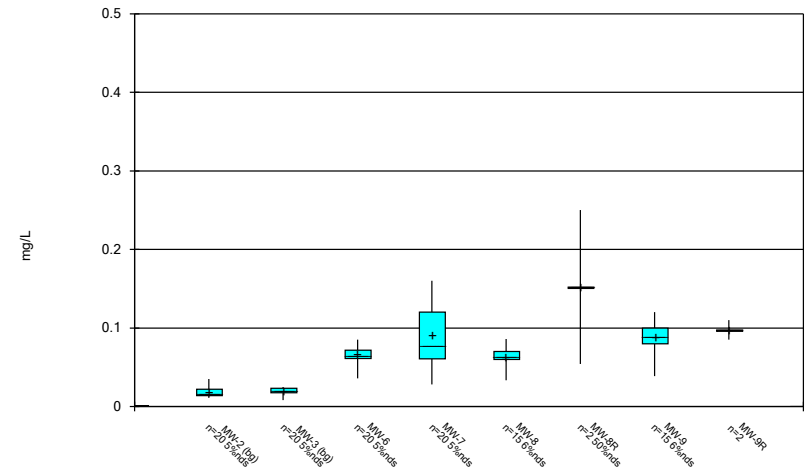
Constituent: Arsenic Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



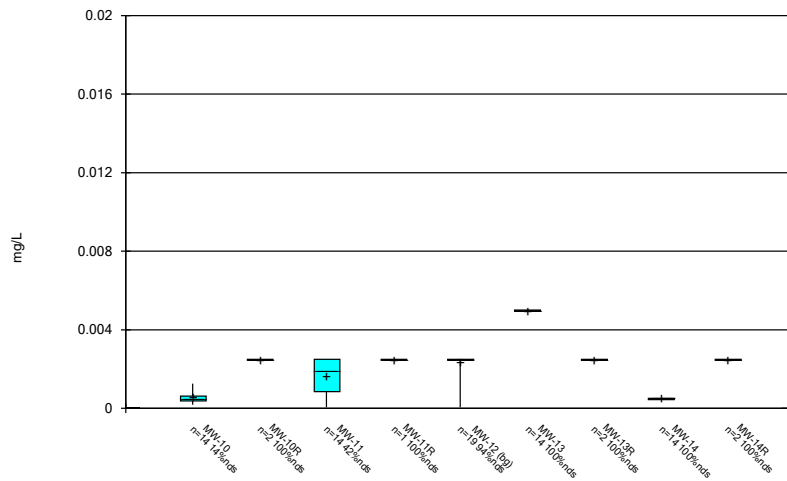
Constituent: Barium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



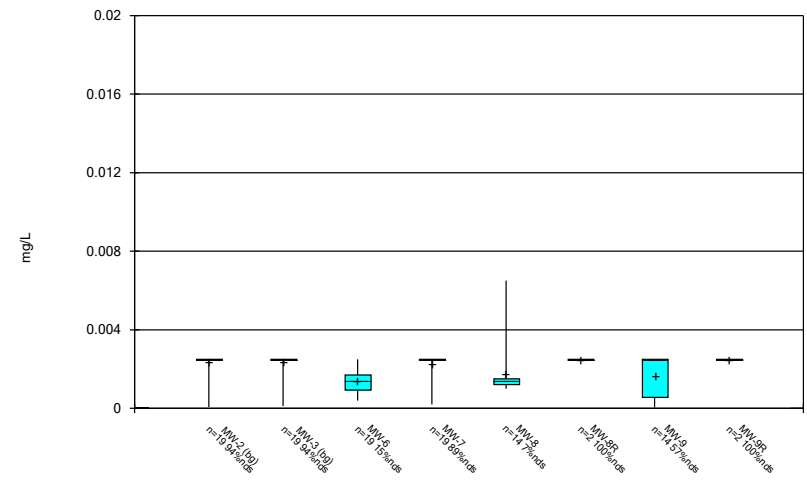
Constituent: Barium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



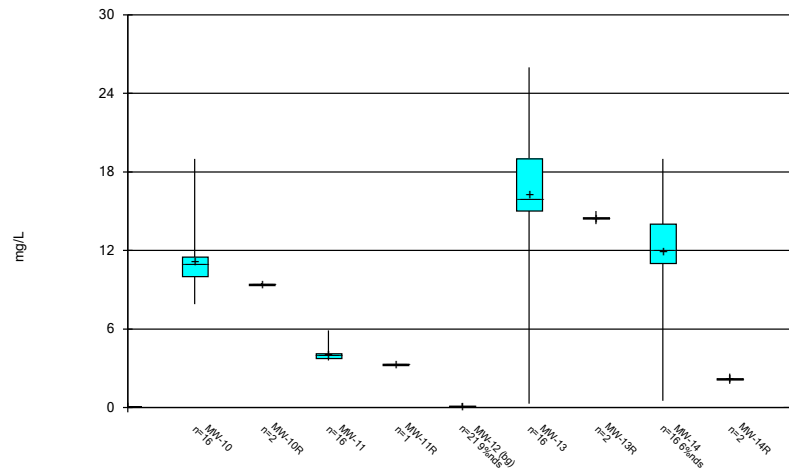
Constituent: Beryllium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



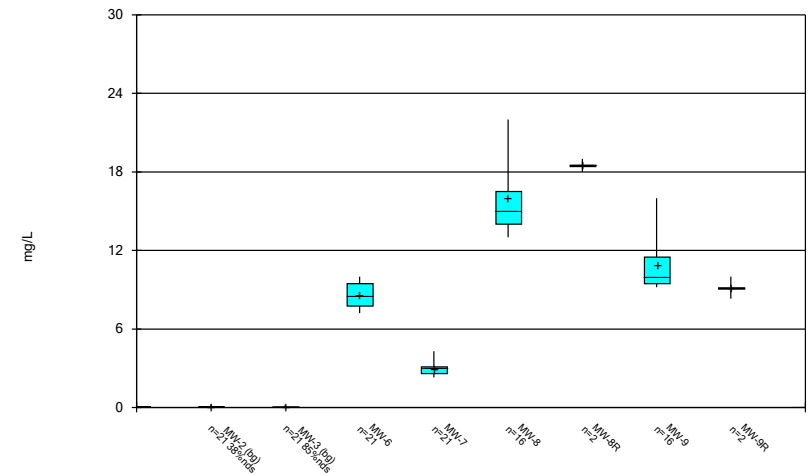
Constituent: Beryllium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



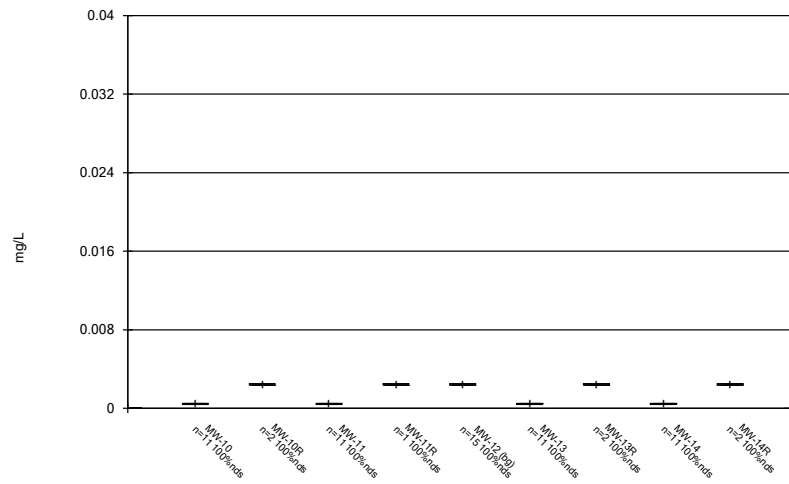
Constituent: Boron, total Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



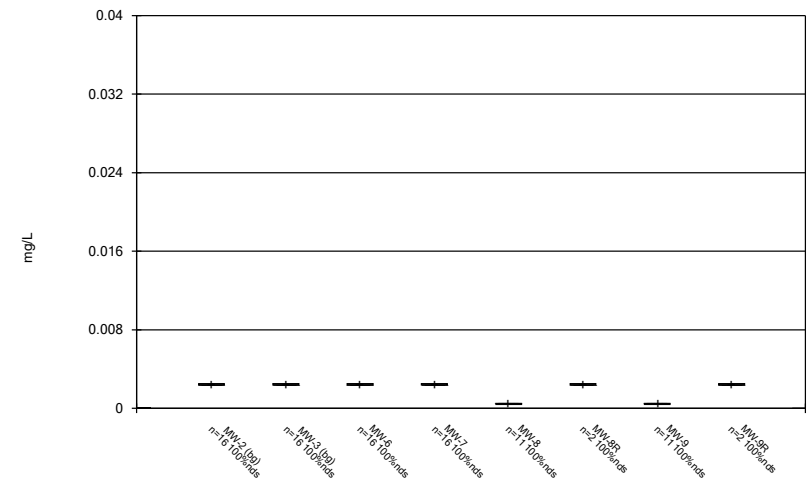
Constituent: Boron, total Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



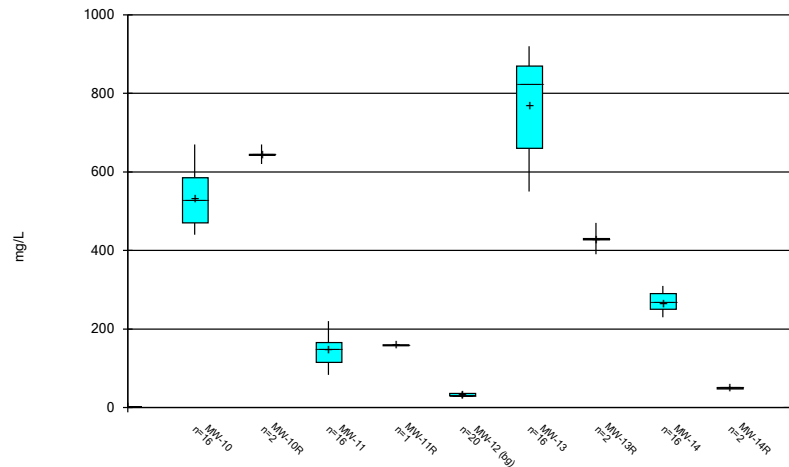
Constituent: Cadmium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



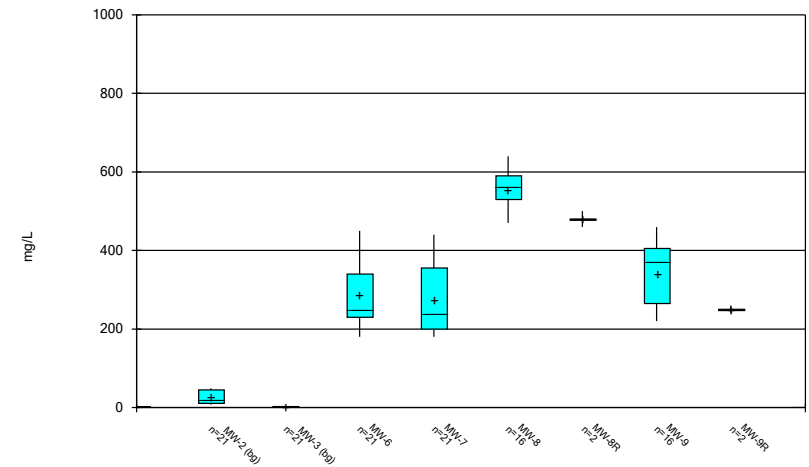
Constituent: Cadmium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



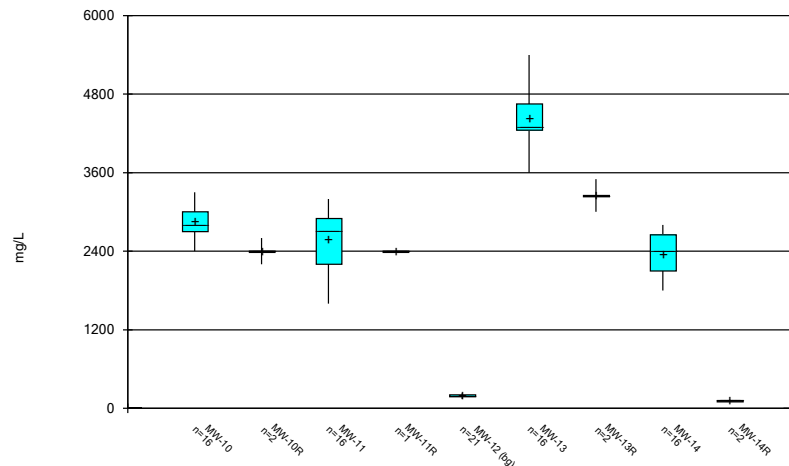
Constituent: Calcium, total Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



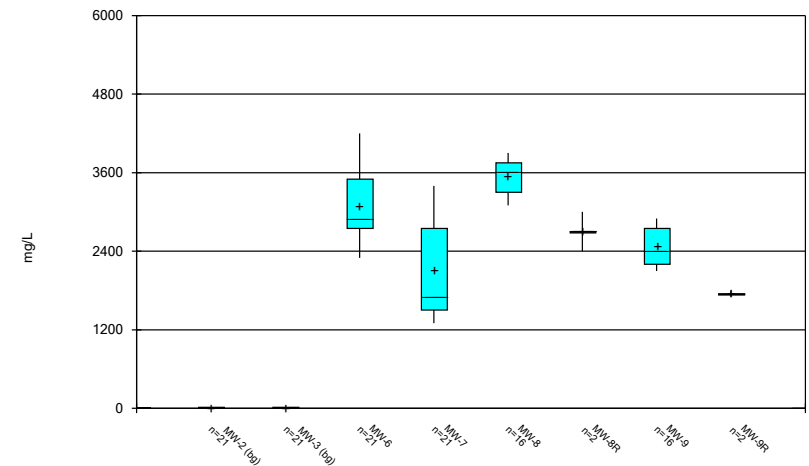
Constituent: Calcium, total Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



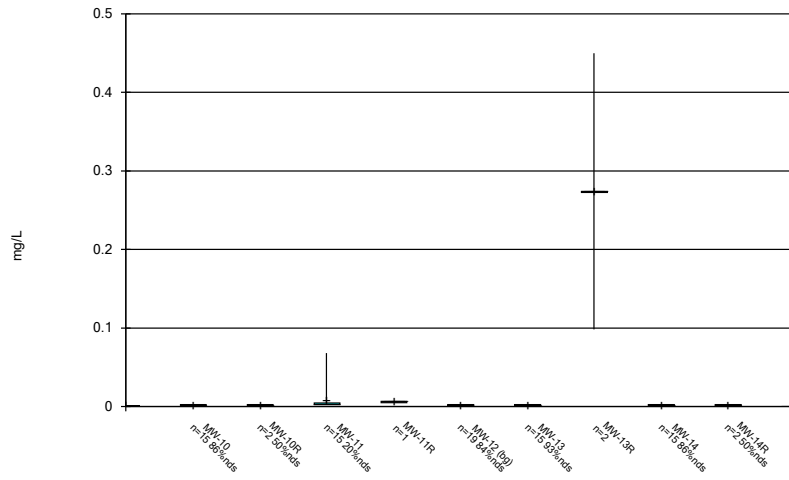
Constituent: Chloride, Total Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



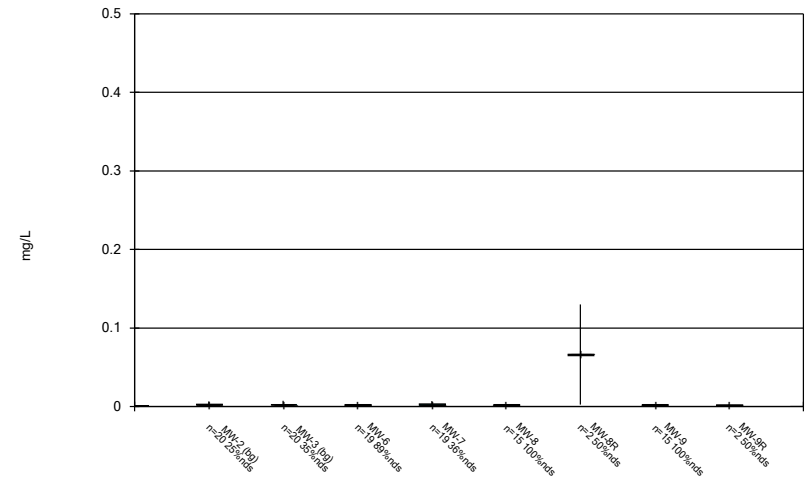
Constituent: Chloride, Total Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



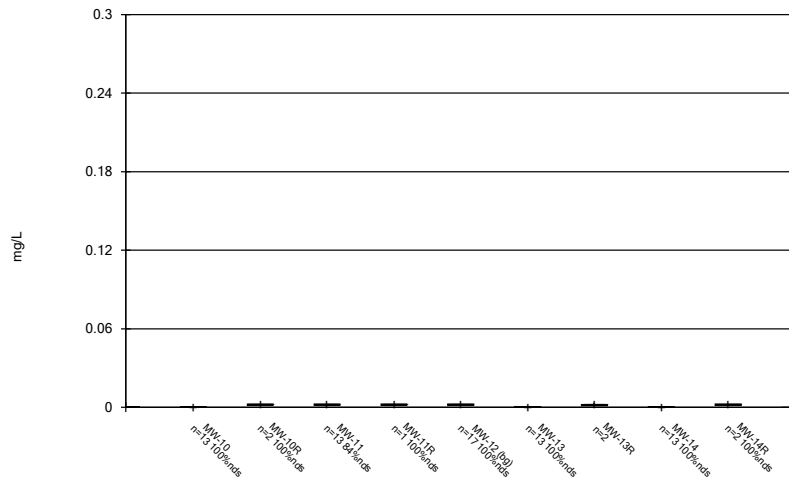
Constituent: Chromium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



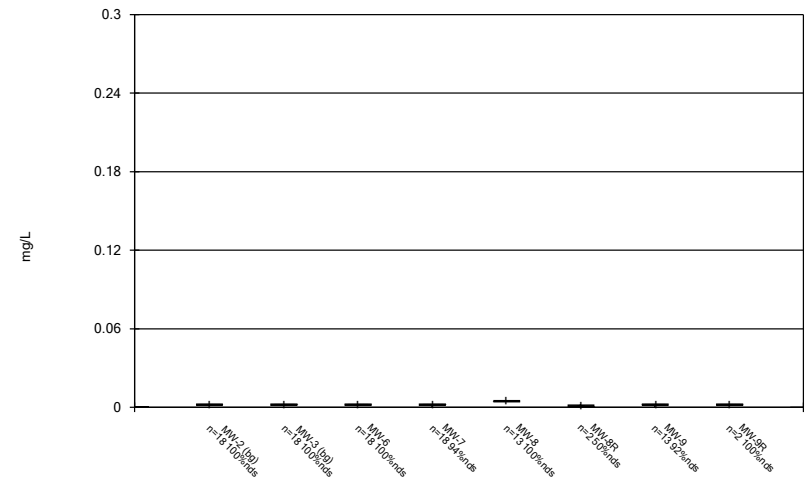
Constituent: Chromium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



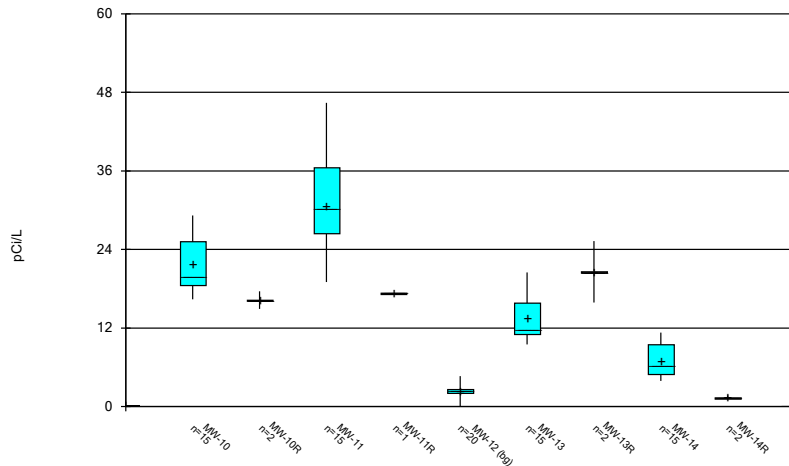
Constituent: Cobalt Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



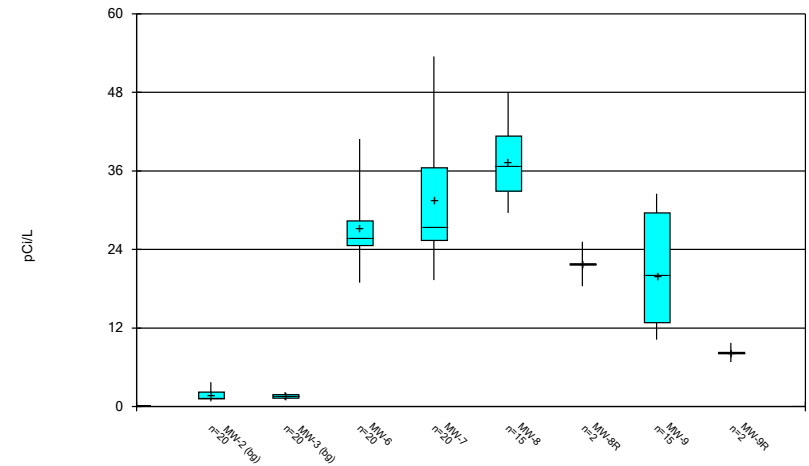
Constituent: Cobalt Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



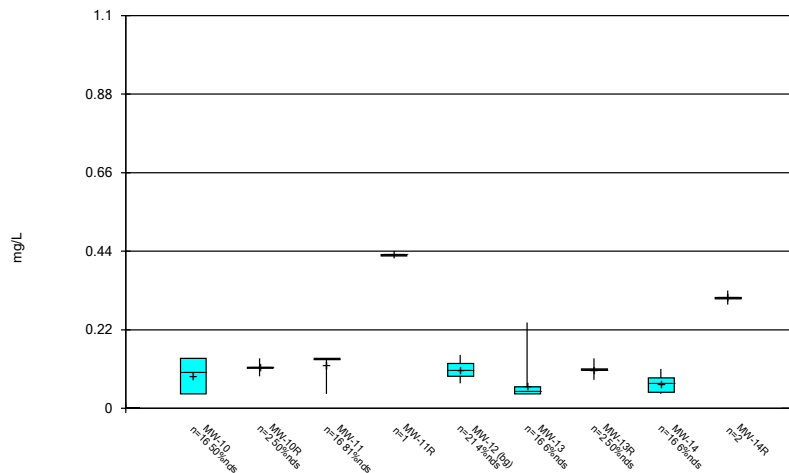
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



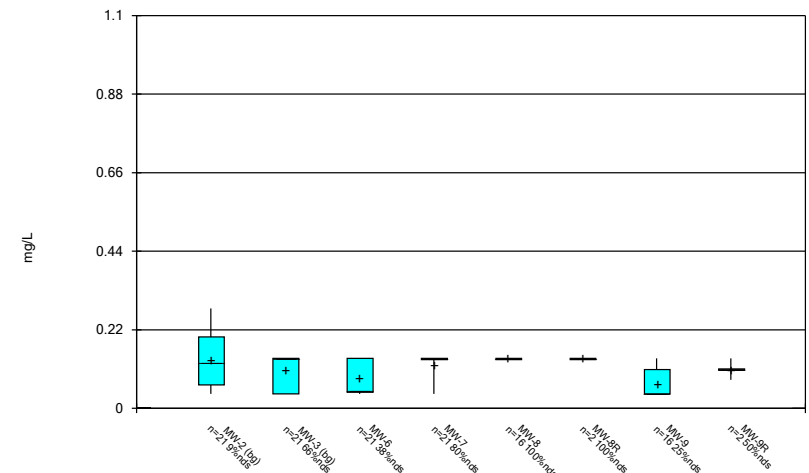
Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



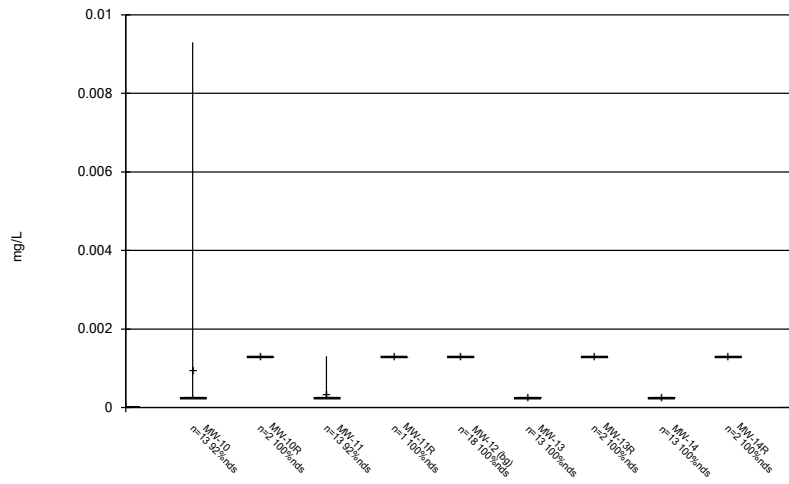
Constituent: Fluoride, total Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



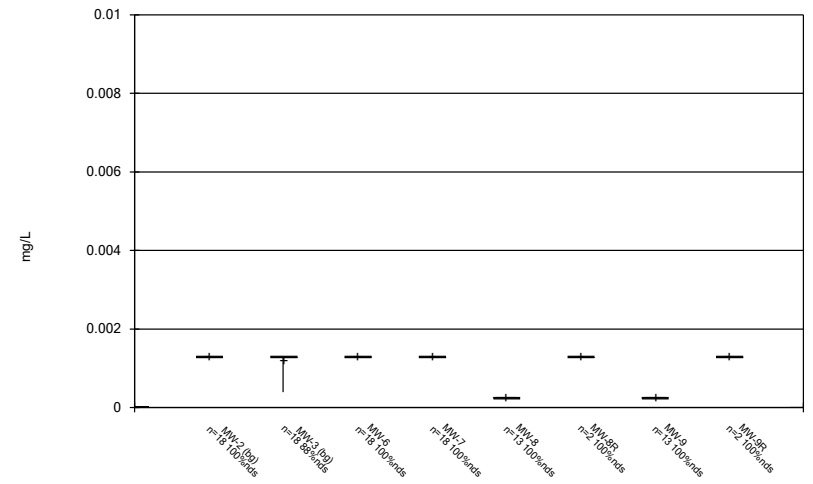
Constituent: Fluoride, total Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



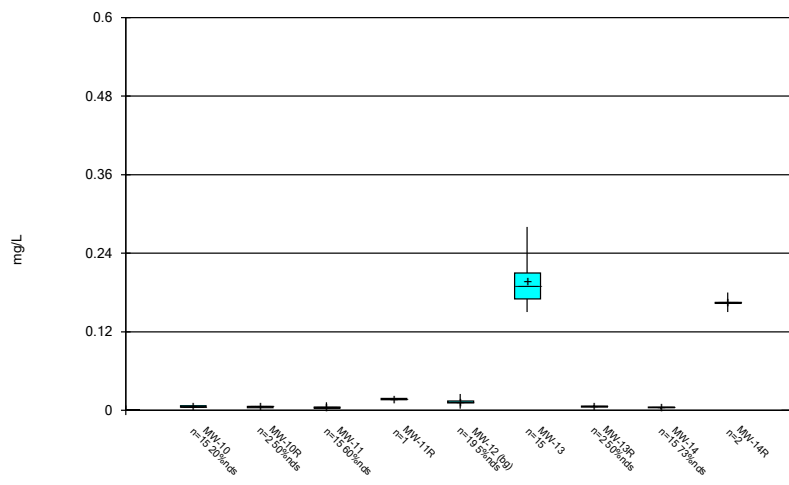
Constituent: Lead Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



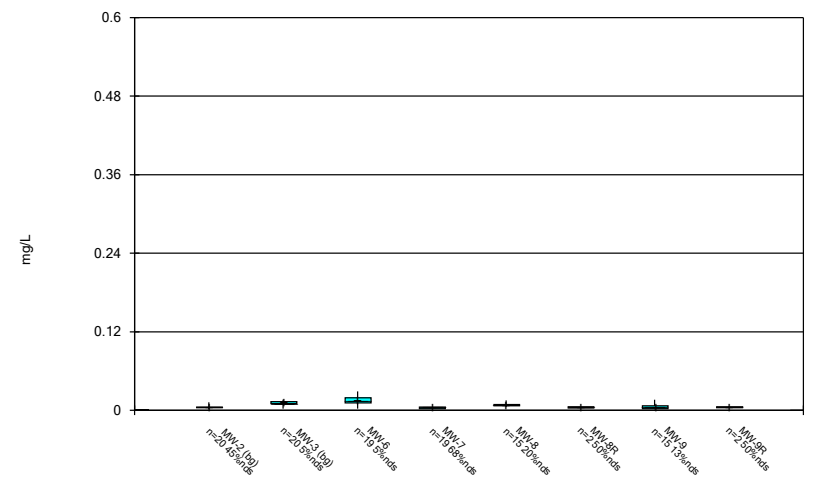
Constituent: Lead Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



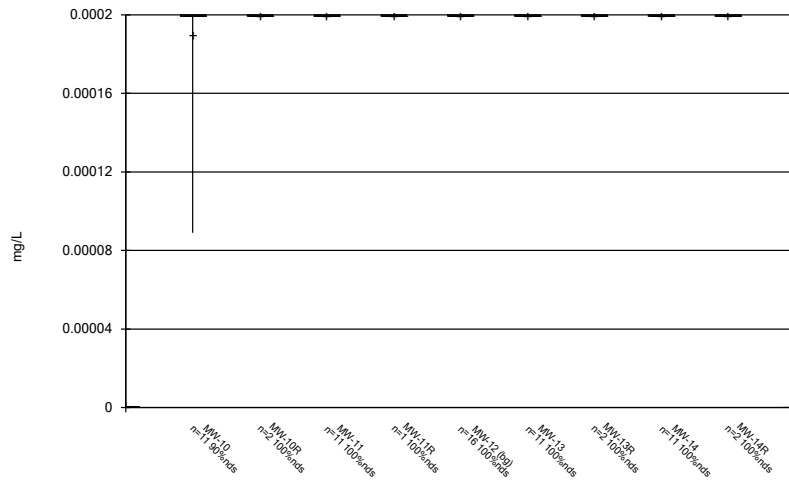
Constituent: Lithium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



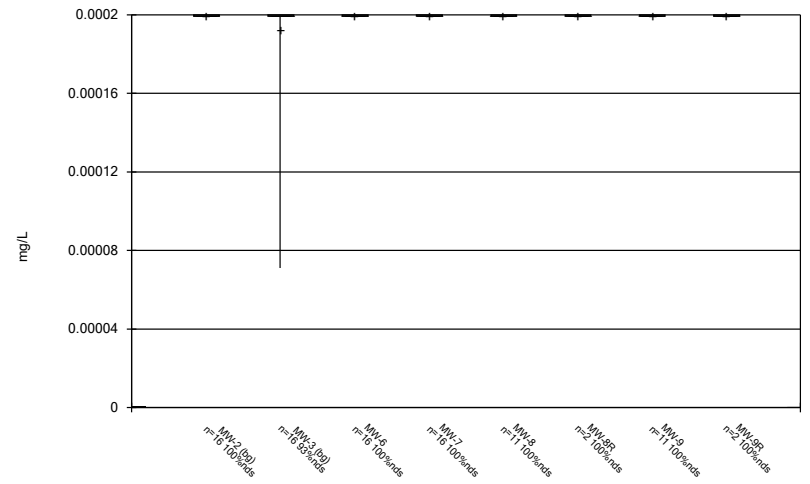
Constituent: Lithium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



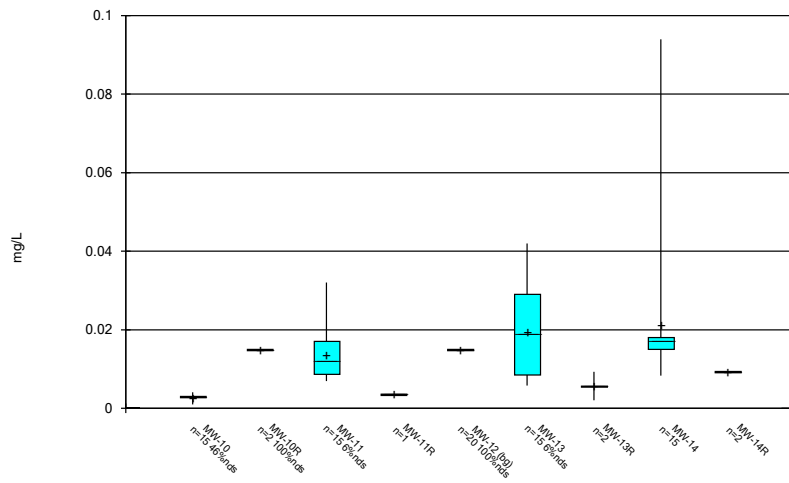
Constituent: Mercury Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



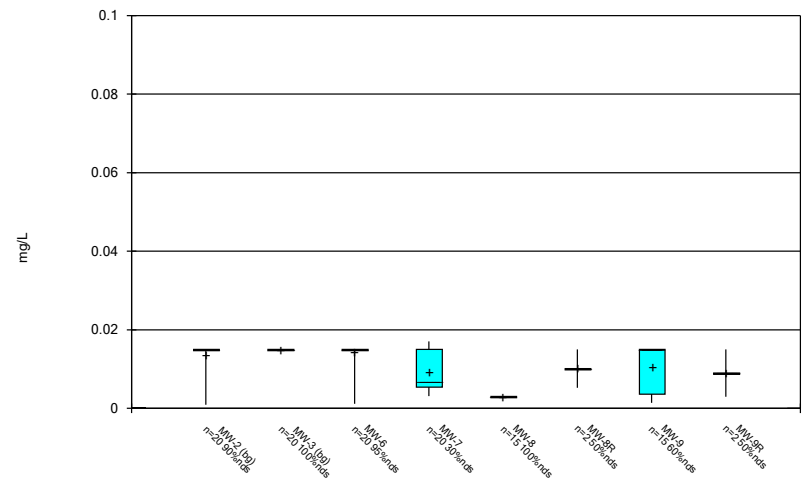
Constituent: Mercury Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



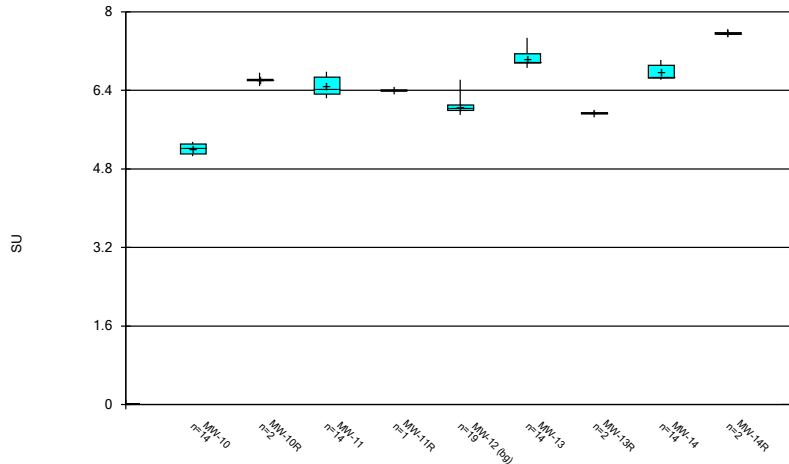
Constituent: Molybdenum Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



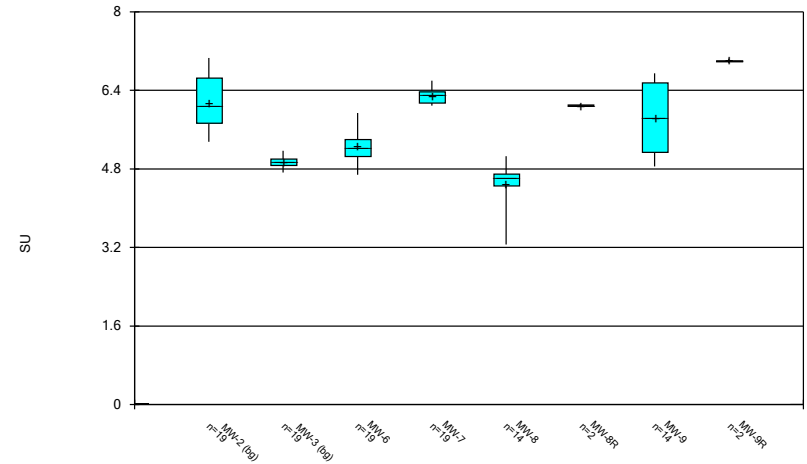
Constituent: Molybdenum Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



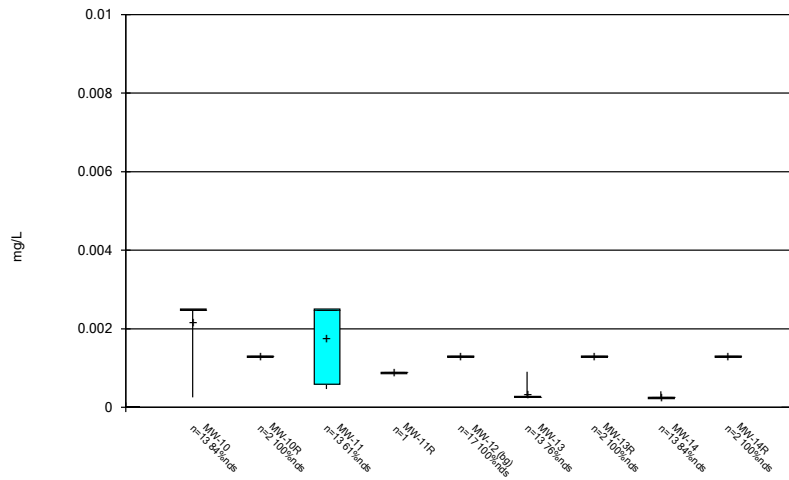
Constituent: pH, Field Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



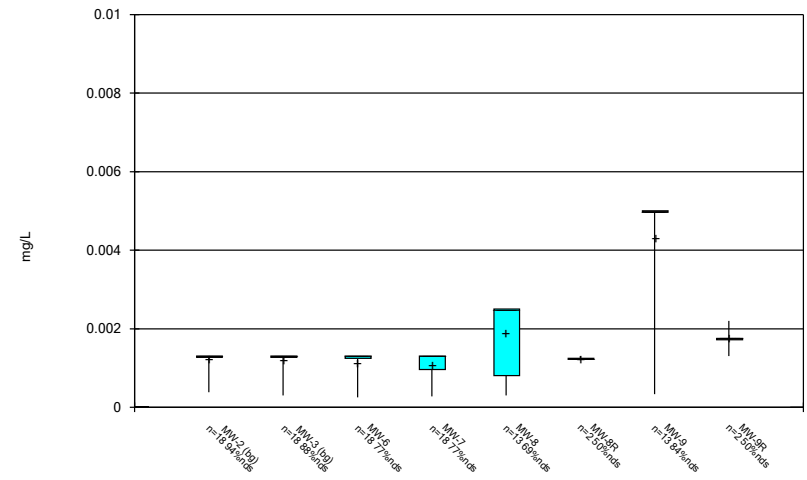
Constituent: pH, Field Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



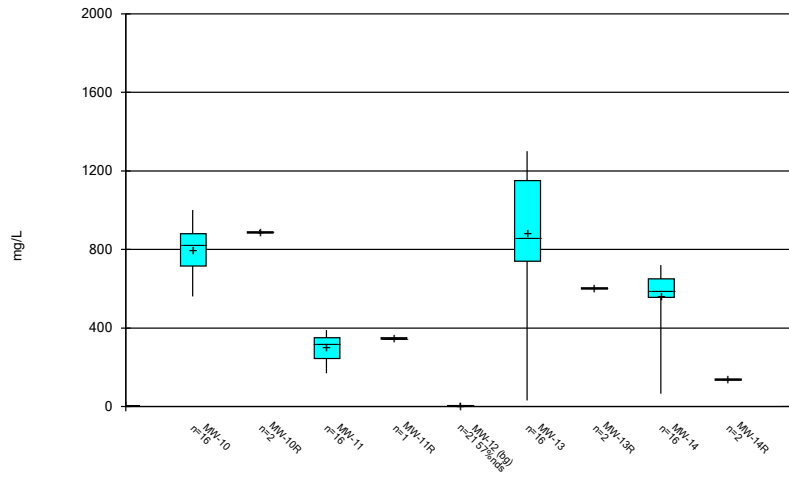
Constituent: Selenium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



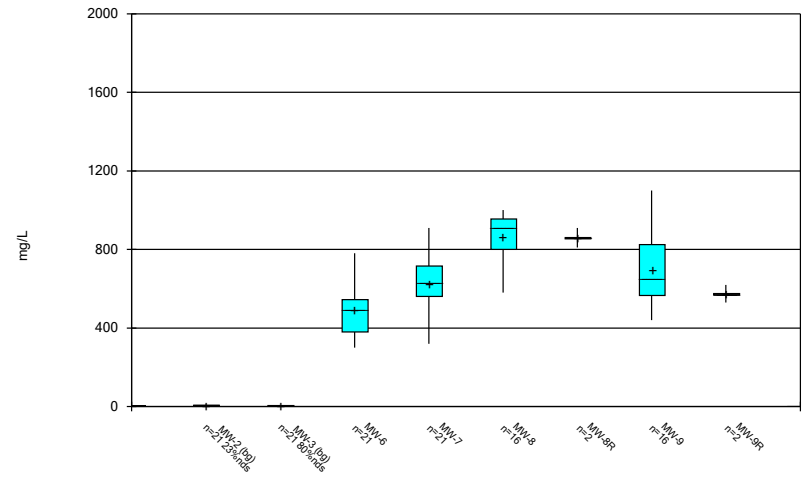
Constituent: Selenium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



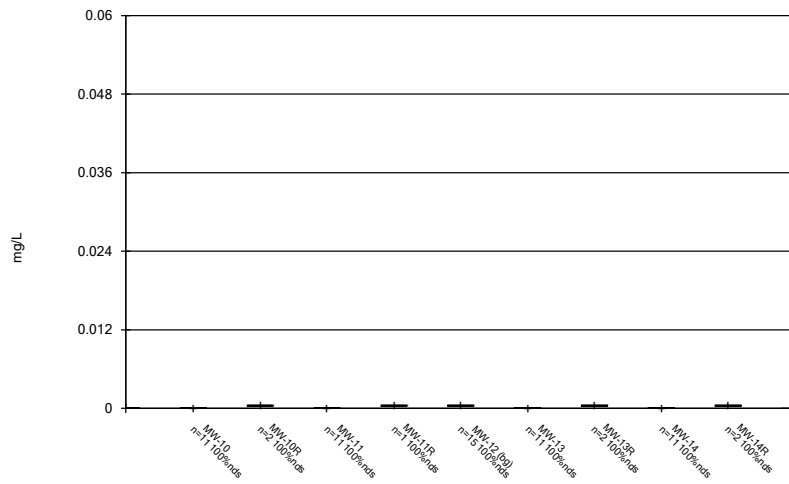
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



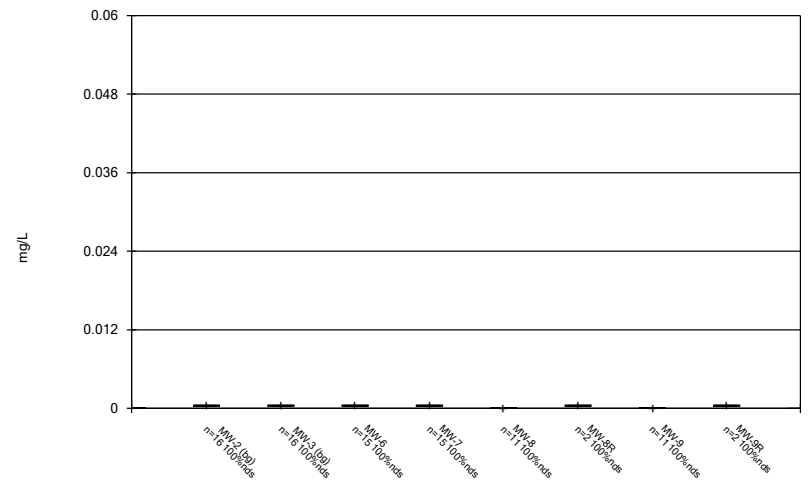
Constituent: Sulfate as SO4 Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



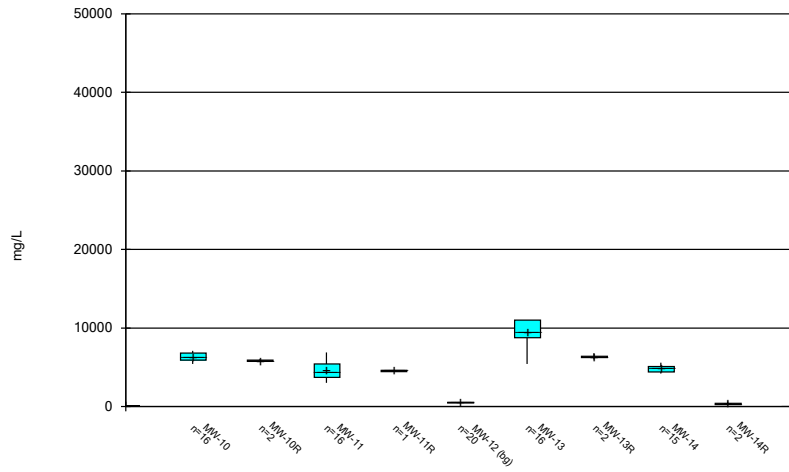
Constituent: Thallium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



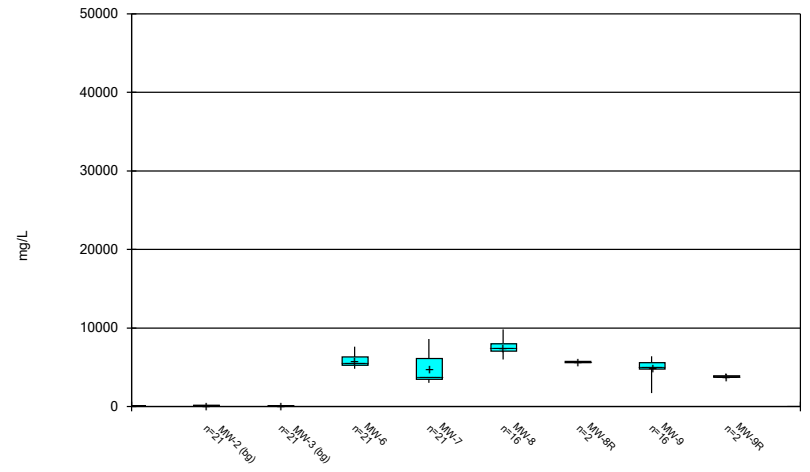
Constituent: Thallium Analysis Run 1/13/2023 2:22 PM
 Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 2:22 PM
Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE C.

Outlier Summary

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:25 PM

Date	MW-12 Cadmium (mg/L)	MW-12 Calcium, total (mg/L)	MW-12 Chromium (mg/L)	MW-6 Chromium (mg/L)	MW-7 Chromium (mg/L)	MW-12 Cobalt (mg/L)	MW-12 Lithium (mg/L)	MW-6 Lithium (mg/L)	MW-7 Lithium (mg/L)	MW-12 Selenium (mg/L)
2/22/2016			0.012 (J,O)							
6/27/2016										
3/11/2019										
9/16/2021	0.035 (O)	250 (O)				0.26 (O)	0.17 (O)			0.009 (O)
4/14/2022			<0.05 (o)	<0.05 (o)				<0.1 (o)	<0.1 (o)	

Date	MW-12 Thallium (mg/L)	MW-6 Thallium (mg/L)	MW-7 Thallium (mg/L)	MW-12 Total Dissolved Solids [TDS] (mg/L)	MW-14 Total Dissolved Solids [TDS] (mg/L)
2/22/2016					
6/27/2016			4200 (O)		
3/11/2019				45500 (OD)	
9/16/2021	0.0043 (O)				
4/14/2022		<0.01 (o)	<0.01 (o)		

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:28 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Boron, total (mg/L)	MW-12,MW-2,MW-3	Yes	0.27,0.33,0.0094,0.0073	NP	NaN	63	0.06711	0.05579	In(x)	ShapiroFrancia
Chromium (mg/L)	MW-12,MW-2,MW-3	Yes	0.012,0.0005,0.0066,0.0012,0.0016,0.0043,0.0074,0	NP	NaN	60	0.002717	0.001624	In(x)	ShapiroFrancia
Sulfate as SO4 (mg/L)	MW-12,MW-2,MW-3	Yes	1.6,1.8,2.3,2.3,2.2,1.5,3,3,18,19,2.8,9.2,9.6,1.4	NP	NaN	63	5.092	2.882	In(x)	ShapiroFrancia

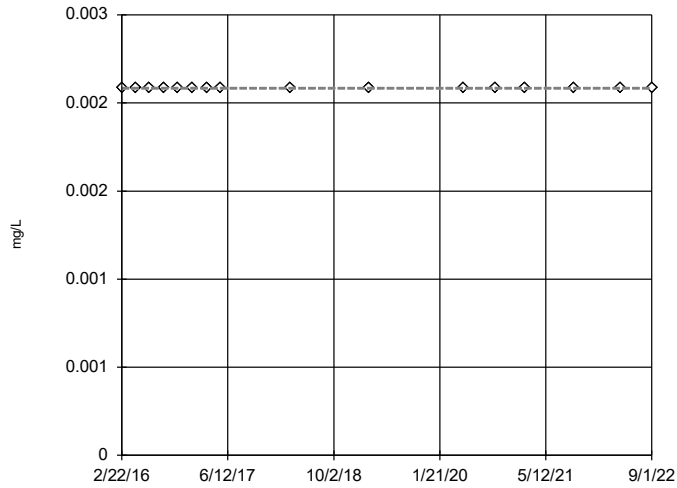
Tukey's Outlier Test - Upgradient Wells - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:28 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0025	0	unknown	ShapiroWilk
Arsenic (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	60	0.001283	0.0001034	unknown	ShapiroFrancia
Barium (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	0.01698	0.005309	ln(x)	ShapiroFrancia
Beryllium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	57	0.002372	0.0005475	unknown	ShapiroFrancia
Boron, total (mg/L)	MW-12,MW-2,MW-3	Yes	0.27,0.33,0.0094,0.0073	NP	NaN	63	0.06711	0.05579	ln(x)	ShapiroFrancia
Cadmium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.003177	0.004691	unknown	ShapiroWilk
Calcium, total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	23.81	33.25	ln(x)	ShapiroFrancia
Chloride, Total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	71.53	84.45	ln(x)	ShapiroFrancia
Chromium (mg/L)	MW-12,MW-2,MW-3	Yes	0.012,0.0005,0.0066,0.0012,0.0016,0.0043,0.0074,0	NP	NaN	60	0.002717	0.001624	ln(x)	ShapiroFrancia
Cobalt (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.007269	0.03504	unknown	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	1.889	0.7966	normal	ShapiroFrancia
Fluoride, total (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	0.1213	0.05372	sqrt(x)	ShapiroFrancia
Lead (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.001266	0.0001735	unknown	ShapiroFrancia
Lithium (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	60	0.01231	0.02117	ln(x)	ShapiroFrancia
Mercury (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0001973	0.00001862	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	60	0.01453	0.002534	unknown	ShapiroFrancia
Selenium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	54	0.001396	0.001073	unknown	ShapiroFrancia
Sulfate as SO4 (mg/L)	MW-12,MW-2,MW-3	Yes	1.6,1.8,2.3,2.3,2.2,1.5,3,3,18,19,2.8,9.2,9.6,1.4	NP	NaN	63	5.092	2.882	ln(x)	ShapiroFrancia
Thallium (mg/L)	MW-12,MW-2,MW-3	n/a	n/a	NP	NaN	48	0.0005792	0.0005485	unknown	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	MW-12,MW-2,MW-3	No	n/a	NP	NaN	63	278	539.3	ln(x)	ShapiroFrancia

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

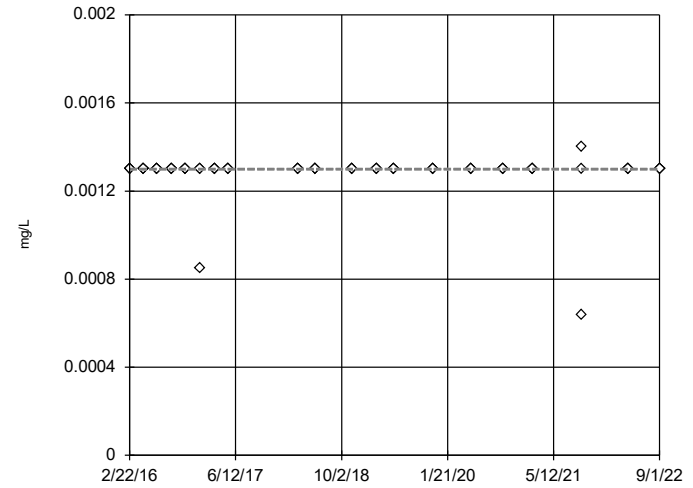


n = 48
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

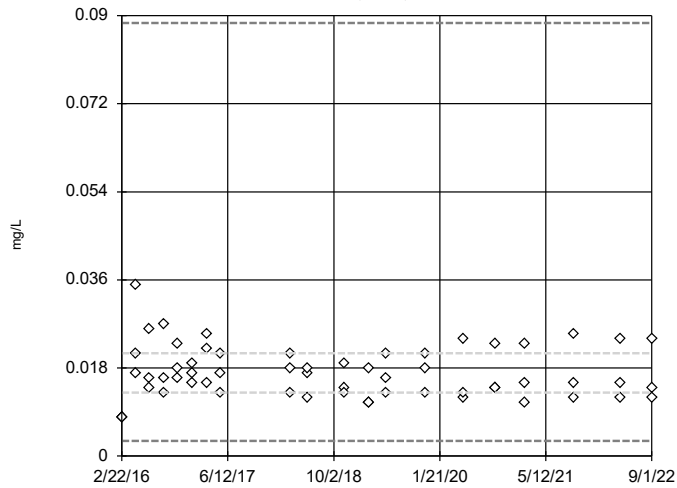


n = 60
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

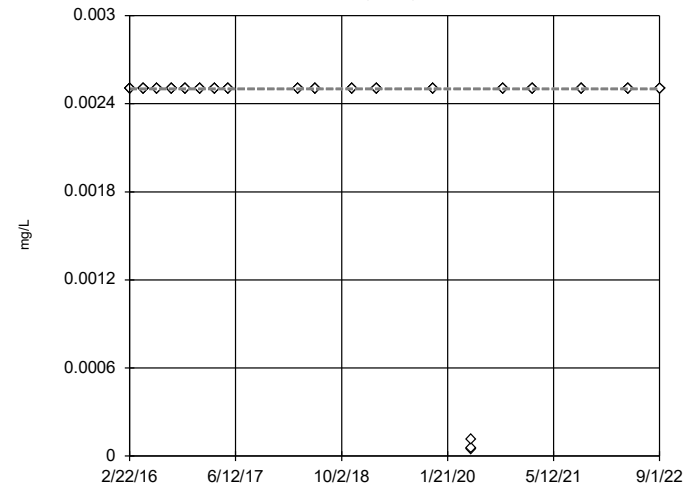


n = 60
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.08852, low cutoff = 0.003084, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

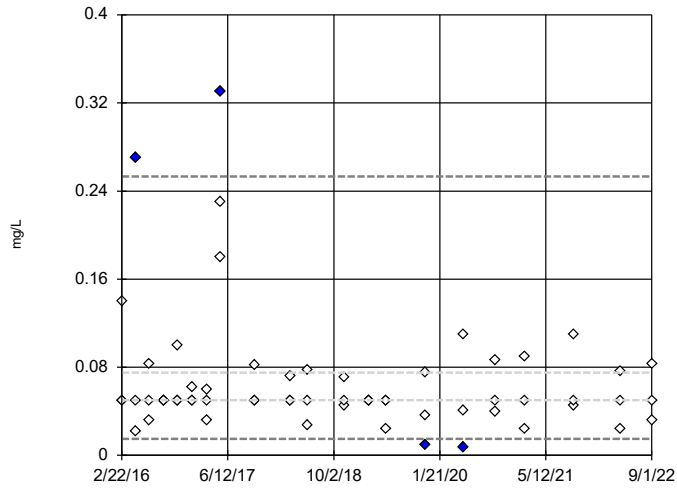


n = 57
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

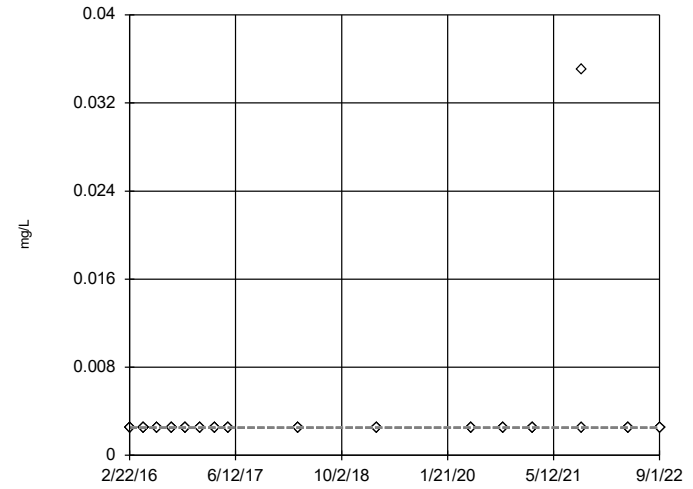


n = 63
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.2531,
 low cutoff = 0.01481,
 based on IQR multiplier of 3.

Constituent: Boron, total Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

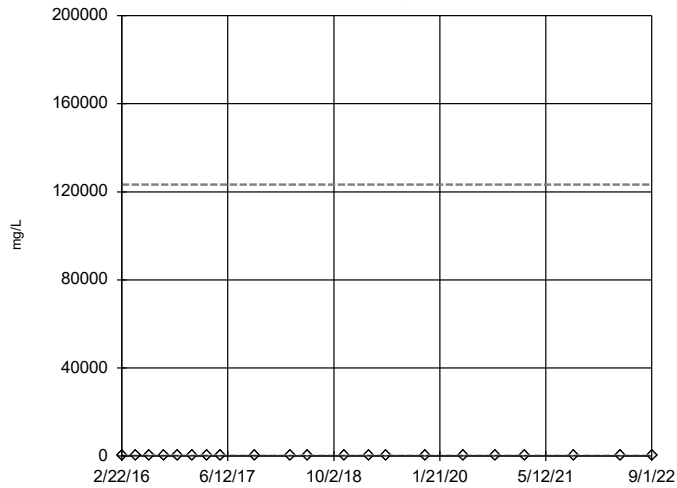


n = 48
 No outliers found.
 Tukey's method selected by user.
 Data were x^4 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

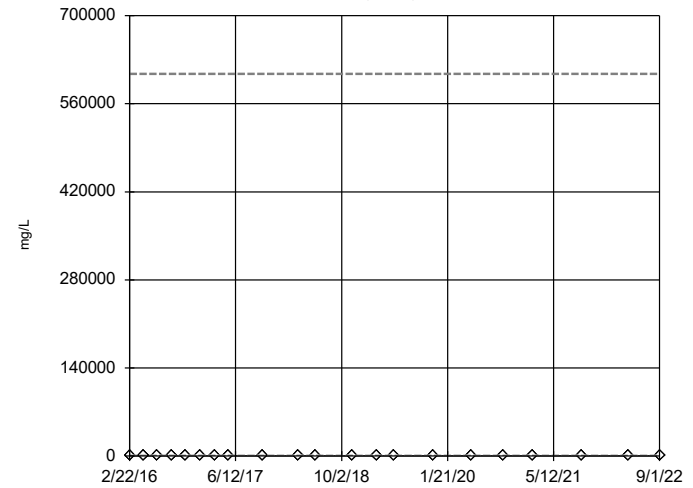


n = 63
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 123336,
 low cutoff = 0.0006527,
 based on IQR multiplier of 3.

Constituent: Calcium, total Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

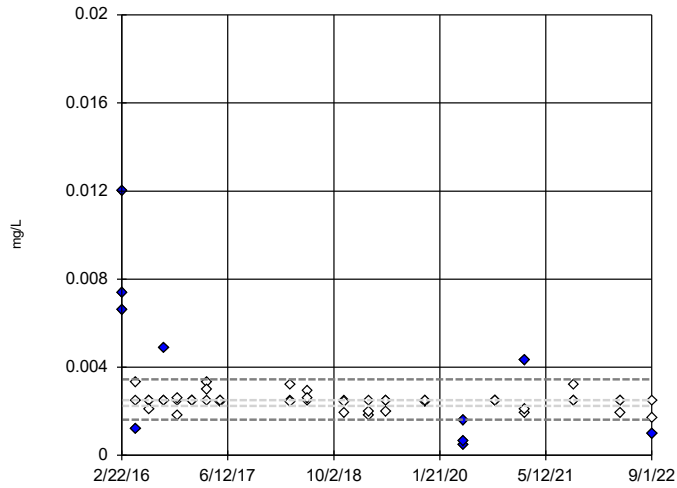


n = 63
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 607500,
 low cutoff = 0.003556,
 based on IQR multiplier of 3.

Constituent: Chloride, Total Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

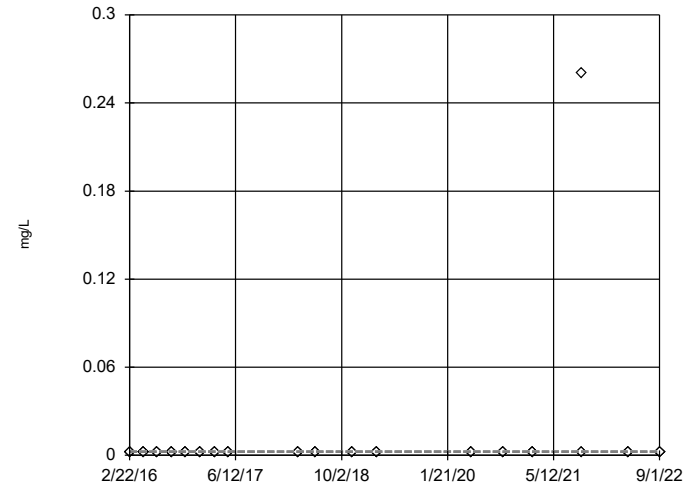


n = 60
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.003452,
 low cutoff = 0.001626,
 based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

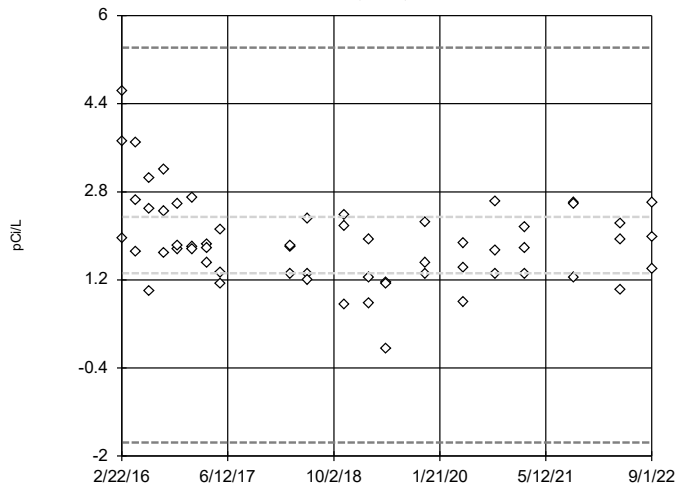


n = 54
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

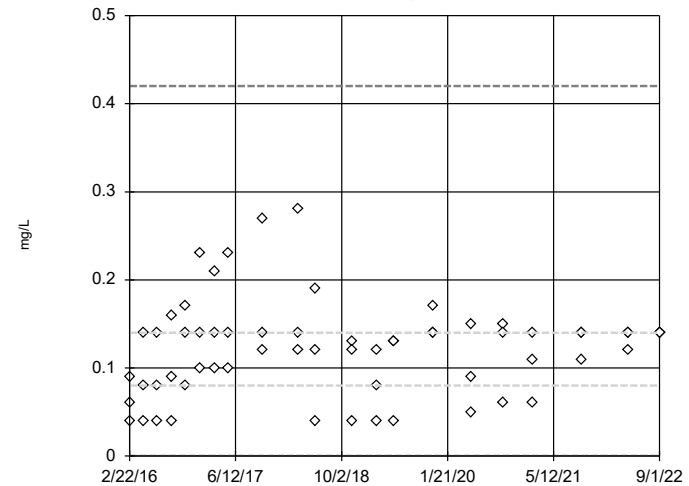


n = 60
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 High cutoff = 5.42,
 low cutoff = -1.755,
 based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

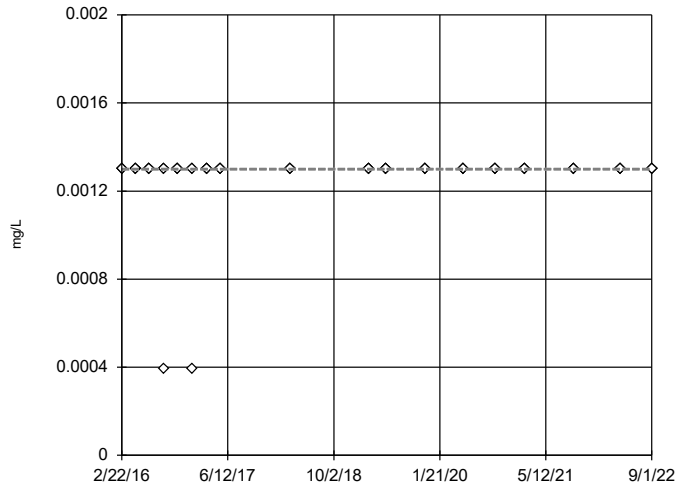


n = 63
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.4201,
 low cutoff = 0.00007874,
 based on IQR multiplier of 3.

Constituent: Fluoride, total Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

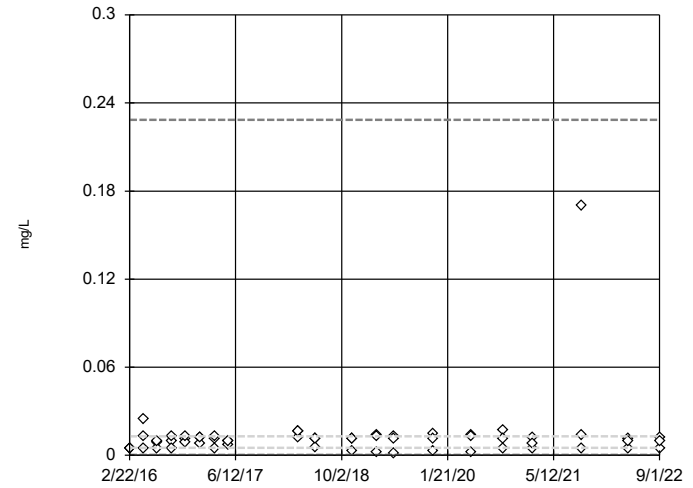


n = 54
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

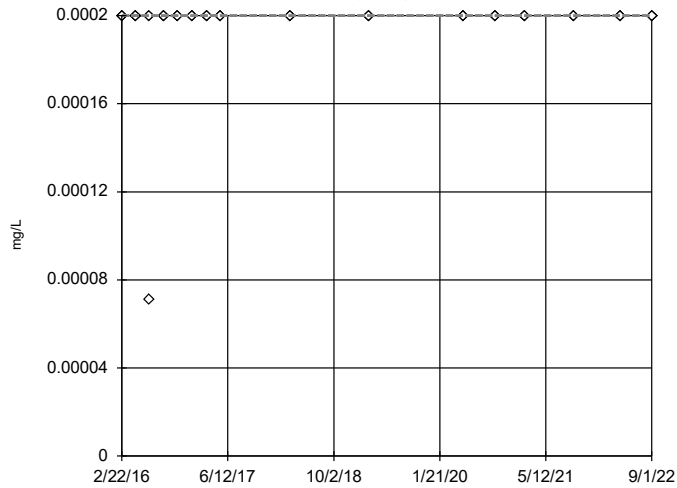


n = 60
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.2285,
 low cutoff = 0.0002845,
 based on IQR multiplier of 3.

Constituent: Lithium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

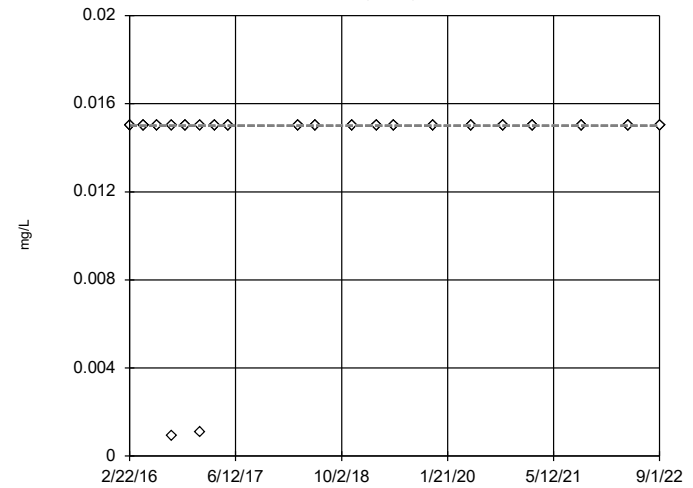


n = 48
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

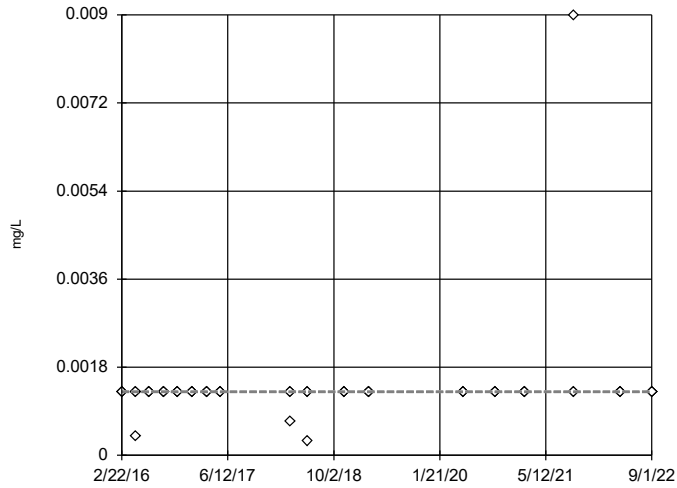


n = 60
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

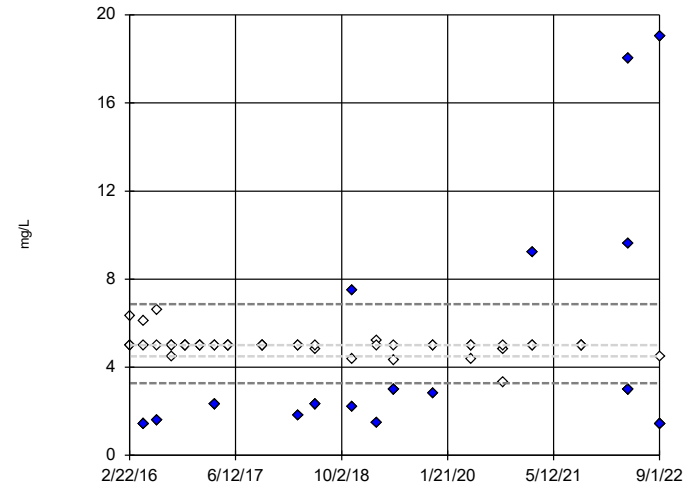


n = 54
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

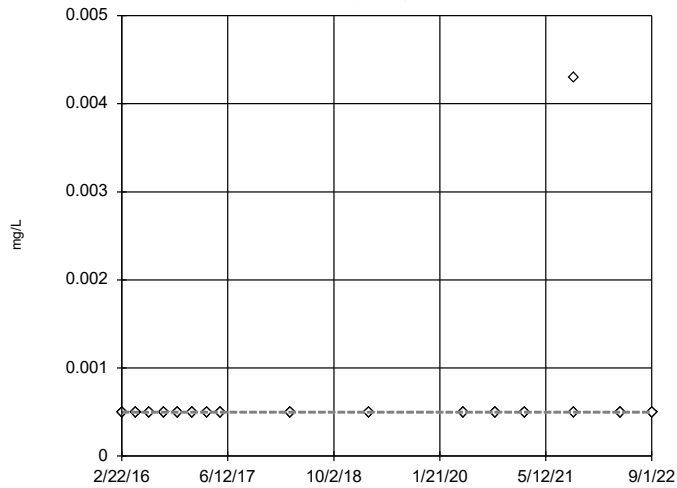


n = 63
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 6.859, low cutoff = 3.281, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3

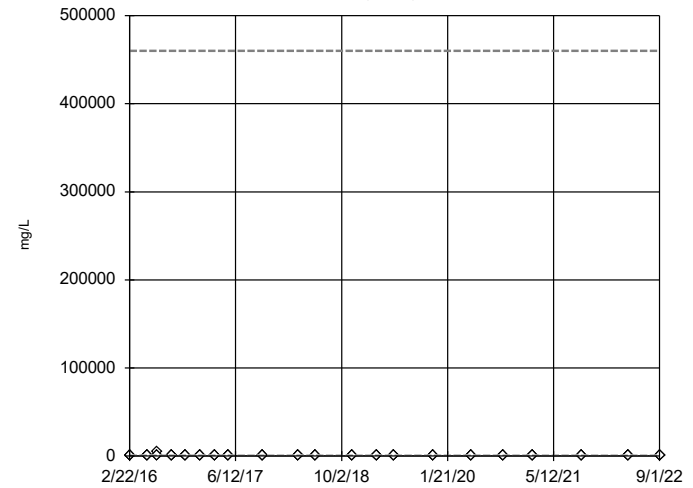


n = 48
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 1/13/2023 2:27 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Screening, Pooled Background

MW-12,MW-2,MW-3



n = 63
 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 = 460000, low cutoff = 0.046, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 2:28 PM View: Outliers Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Tukey's Outlier Test - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:18 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
pH, Field (SU)	MW-12 (bg)	Yes	6.62	NP	NaN	18	6.072	0.1582	In(x)	ShapiroWilk

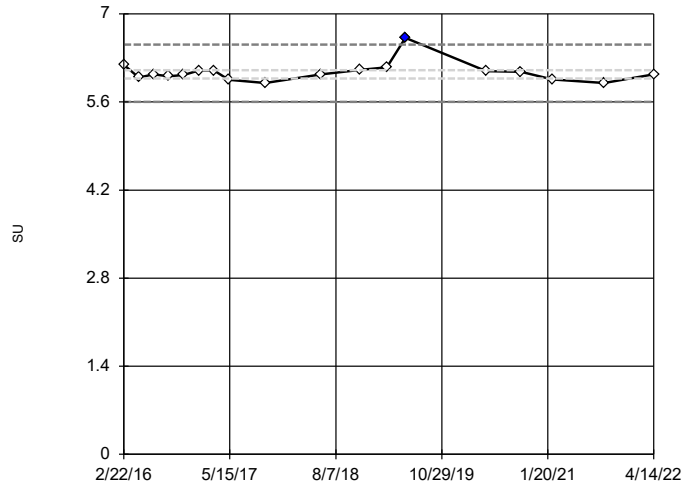
Tukey's Outlier Test - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:18 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
pH, Field (SU)	MW-12 (bg)	Yes	6.62	NP	NaN	18	6.072	0.1582	In(x)	ShapiroWilk
pH, Field (SU)	MW-2 (bg)	No	n/a	NP	NaN	18	6.168	0.5202	normal	ShapiroWilk
pH, Field (SU)	MW-3 (bg)	No	n/a	NP	NaN	18	4.938	0.1168	x^6	ShapiroWilk
pH, Field (SU)	MW-6	No	n/a	NP	NaN	18	5.258	0.2998	In(x)	ShapiroWilk
pH, Field (SU)	MW-7	No	n/a	NP	NaN	18	6.272	0.1519	In(x)	ShapiroWilk

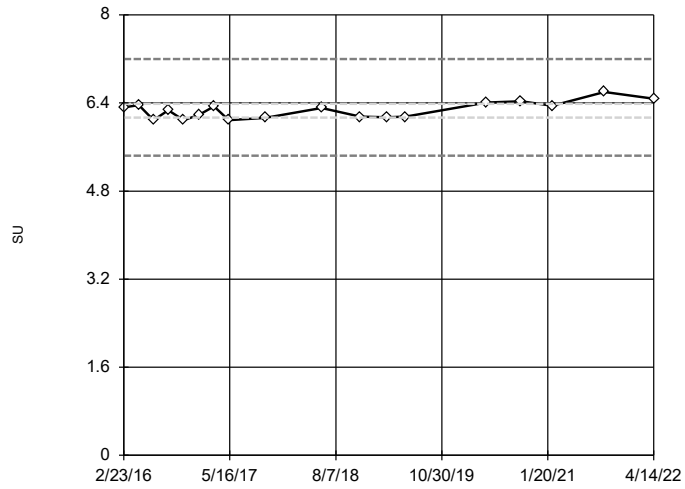
Tukey's Outlier Screening

MW-12 (bg)



Tukey's Outlier Screening

MW-7



n = 18

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.198, low cutoff = 5.442, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 1/13/2023 9:17 AM View: Outliers
Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE D.

Welch's t-test/Mann-Whitney - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
pH, Field (SU)	MW-7	2.629	Yes	Mann-W

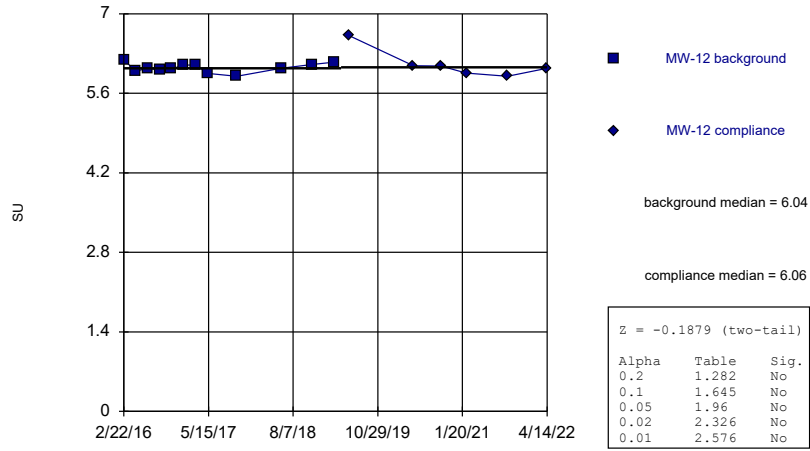
Welch's t-test/Mann-Whitney - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
pH, Field (SU)	MW-12 (bg)	-0.1879	No	Mann-W
pH, Field (SU)	MW-2 (bg)	-2.201	No	Mann-W
pH, Field (SU)	MW-3 (bg)	-1.218	No	Mann-W
pH, Field (SU)	MW-6	2.202	No	Mann-W
pH, Field (SU)	MW-7	2.629	Yes	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)

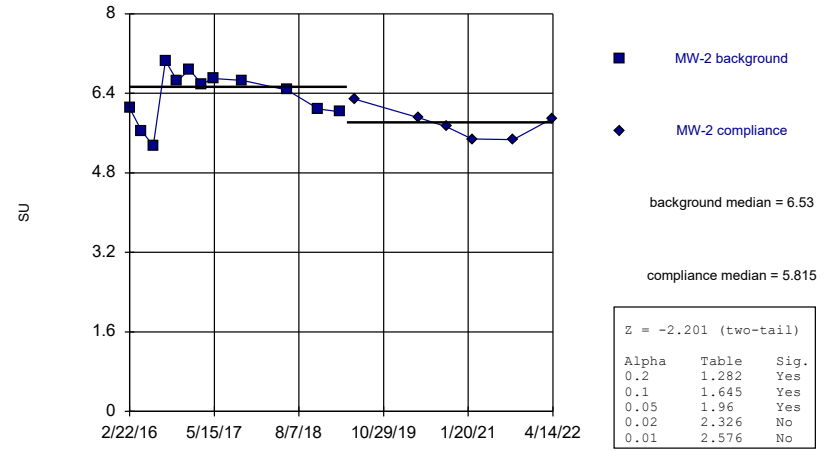
MW-12 (bg)



Constituent: pH, Field Analysis Run 1/13/2023 9:32 AM View: Mann-Whitney
 Plant Smith Client: FPL Data: Plant Smith CCR

Mann-Whitney (Wilcoxon Rank Sum)

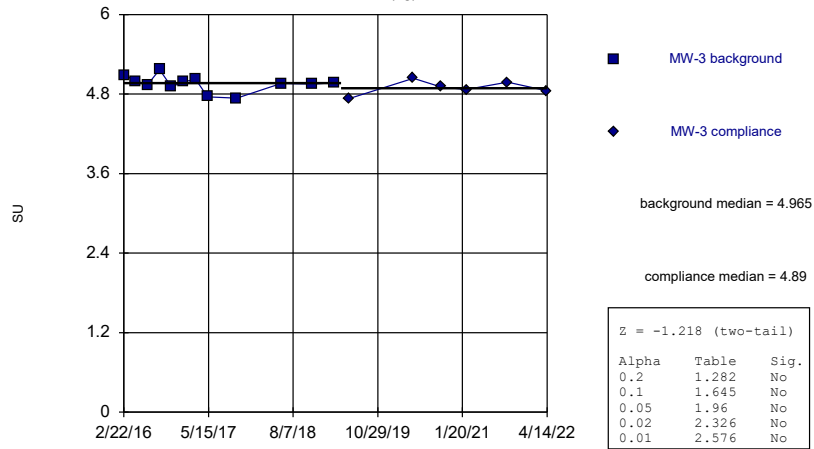
MW-2 (bg)



Constituent: pH, Field Analysis Run 1/13/2023 9:32 AM View: Mann-Whitney
 Plant Smith Client: FPL Data: Plant Smith CCR

Mann-Whitney (Wilcoxon Rank Sum)

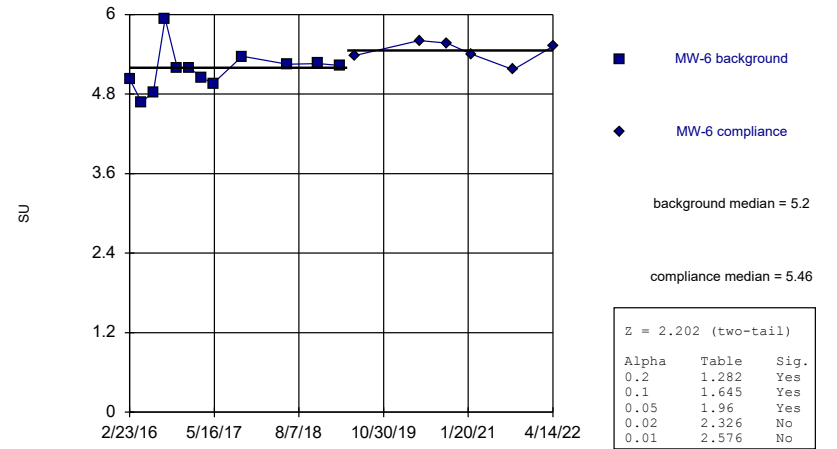
MW-3 (bg)



Constituent: pH, Field Analysis Run 1/13/2023 9:32 AM View: Mann-Whitney
 Plant Smith Client: FPL Data: Plant Smith CCR

Mann-Whitney (Wilcoxon Rank Sum)

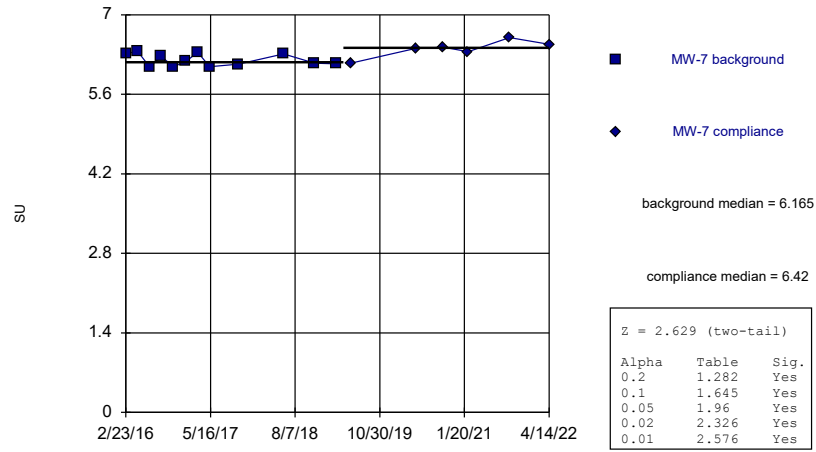
MW-6



Constituent: pH, Field Analysis Run 1/13/2023 9:32 AM View: Mann-Whitney
 Plant Smith Client: FPL Data: Plant Smith CCR

Mann-Whitney (Wilcoxon Rank Sum)

MW-7



Constituent: pH, Field Analysis Run 1/13/2023 9:32 AM View: Mann-Whitney
 Plant Smith Client: FPL Data: Plant Smith CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:34 AM View: Mann-Whitney
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12	MW-12
2/22/2016	6.19 (B01)	
4/26/2016	5.99 (B02)	
6/27/2016	6.04 (B03)	
8/29/2016	6.01 (B04)	
11/1/2016	6.03 (B05)	
1/4/2017	6.1 (B06)	
3/10/2017	6.1 (B07)	
5/11/2017	5.95 (B08)	
10/12/2017	5.9	
6/6/2018	6.04	
11/19/2018	6.11	
3/11/2019	6.15	
5/28/2019		6.62
5/5/2020		6.09
9/29/2020		6.08
2/9/2021		5.96
9/16/2021		5.9
4/14/2022		6.04

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:34 AM View: Mann-Whitney
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2	MW-2
2/22/2016	6.11 (B01)	
4/25/2016	5.65 (B02)	
6/27/2016	5.35 (B03)	
8/29/2016	7.06 (B04)	
11/1/2016	6.65 (B05)	
1/4/2017	6.88 (B06)	
3/10/2017	6.59 (B07)	
5/11/2017	6.7 (B08)	
10/12/2017	6.66	
6/6/2018	6.47	
11/19/2018	6.09	
3/11/2019	6.03	
5/28/2019		6.29
5/5/2020		5.91
9/29/2020		5.73
2/9/2021		5.48
9/16/2021		5.47
4/14/2022		5.9

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:34 AM View: Mann-Whitney

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-3	MW-3
2/22/2016	5.09 (B01)	
4/25/2016	5 (B02)	
6/27/2016	4.94 (B03)	
8/29/2016	5.17 (B04)	
11/1/2016	4.91 (B05)	
1/4/2017	4.99 (B06)	
3/10/2017	5.02 (B07)	
5/11/2017	4.76 (B08)	
10/12/2017	4.74	
6/6/2018	4.96	
11/19/2018	4.95	
3/11/2019	4.97	
5/28/2019		4.73
5/5/2020		5.04
9/29/2020		4.91
2/9/2021		4.87
9/16/2021		4.98
4/14/2022		4.85

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:34 AM View: Mann-Whitney

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-6
2/23/2016	5.03 (B01)	
4/26/2016	4.68 (B02)	
6/28/2016	4.82 (B03)	
8/29/2016	5.94 (B04)	
11/2/2016	5.2 (B05)	
1/5/2017	5.2 (B06)	
3/11/2017	5.05 (B07)	
5/11/2017	4.96 (B08)	
10/12/2017	5.37	
6/8/2018	5.25	
11/19/2018	5.26	
3/12/2019	5.23	
5/29/2019		5.38
5/6/2020		5.61
9/30/2020		5.57
2/9/2021		5.4
9/17/2021		5.17
4/14/2022		5.52

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:34 AM View: Mann-Whitney
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-7	MW-7
2/23/2016	6.32 (B01)	
4/26/2016	6.36 (B02)	
6/28/2016	6.09 (B03)	
8/29/2016	6.27 (B04)	
11/2/2016	6.09 (B05)	
1/5/2017	6.18 (B06)	
3/11/2017	6.34 (B07)	
5/12/2017	6.09 (B08)	
10/12/2017	6.13	
6/8/2018	6.31	
11/19/2018	6.15	
3/12/2019	6.14	
5/29/2019		6.15
5/6/2020		6.41
9/30/2020		6.43
2/9/2021		6.35
9/17/2021		6.6
4/14/2022		6.48

FIGURE E.

Trend Tests - Upgradient Wells - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:29 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-12 (bg)	0.01049	94	87	Yes	21	4.762	n/a	n/a	0.01	NP

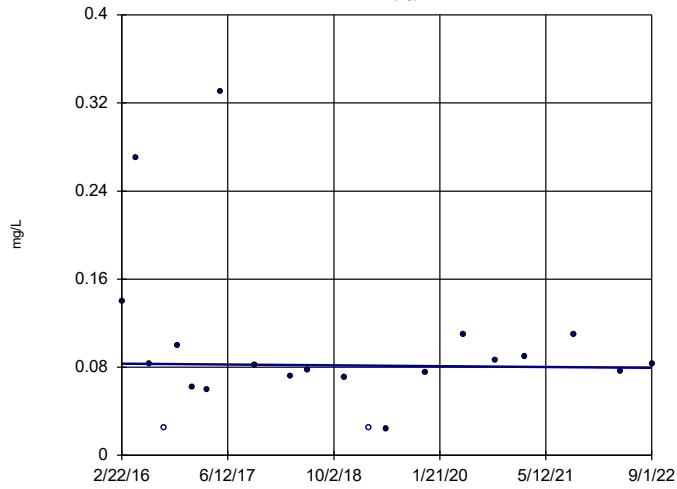
Trend Tests - Upgradient Wells - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:29 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.0005688	-7	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001405	-49	-87	No	21	38.1	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-23	-87	No	21	85.71	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.4584	27	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.347	-74	-87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	-1.795	-27	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.4732	-45	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-12 (bg)	0.01049	94	87	Yes	21	4.762	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-2 (bg)	-0.0117	-21	-87	No	21	9.524	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MW-3 (bg)	0	18	87	No	21	66.67	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	30	87	No	21	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.06321	-28	-87	No	21	23.81	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-17	-87	No	21	80.95	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	0.8833	9	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-14.85	-76	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	2.827	45	87	No	21	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-12 (bg)

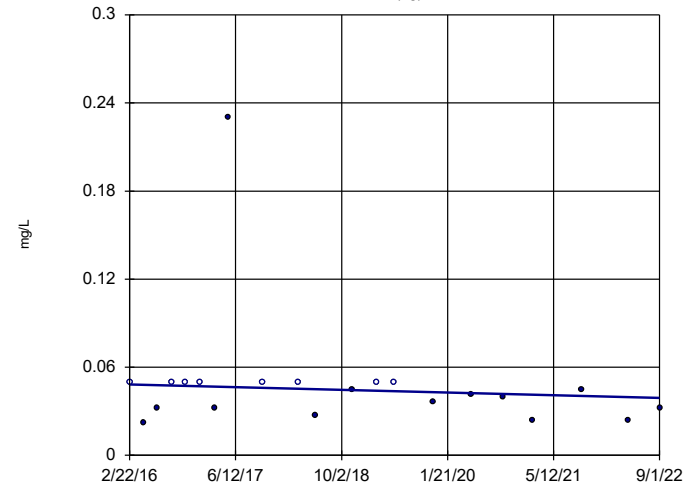


n = 21
Slope = -0.0005688
units per year.
Mann-Kendall
statistic = -7
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

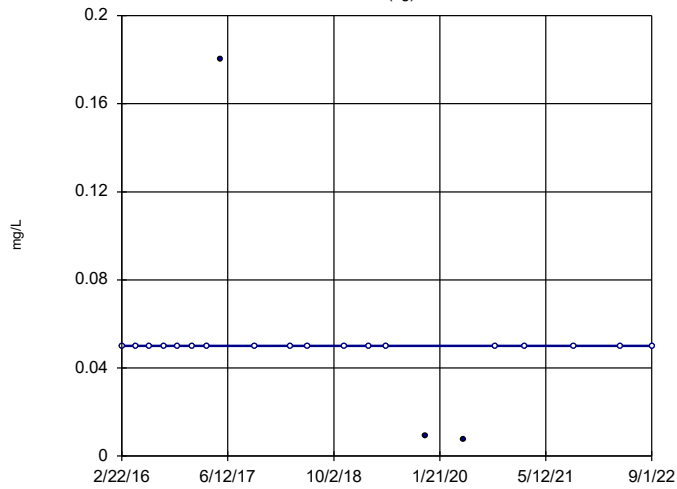


n = 21
Slope = -0.001405
units per year.
Mann-Kendall
statistic = -49
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

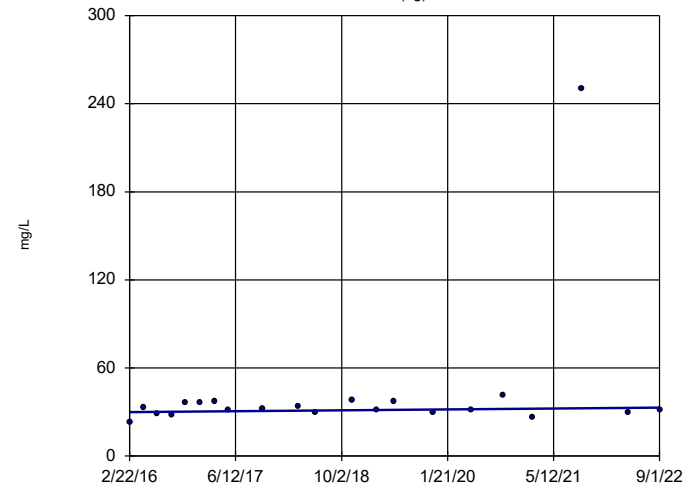


n = 21
Slope = 0
units per year.
Mann-Kendall
statistic = -23
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

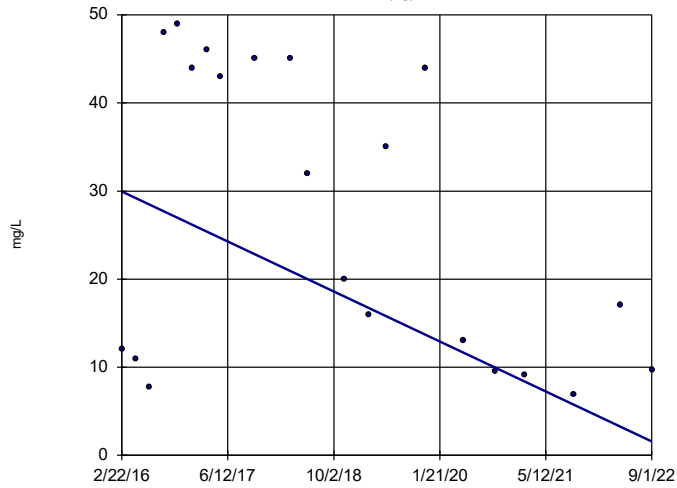


n = 21
Slope = 0.4584
units per year.
Mann-Kendall
statistic = 27
critical = 87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Calcium, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

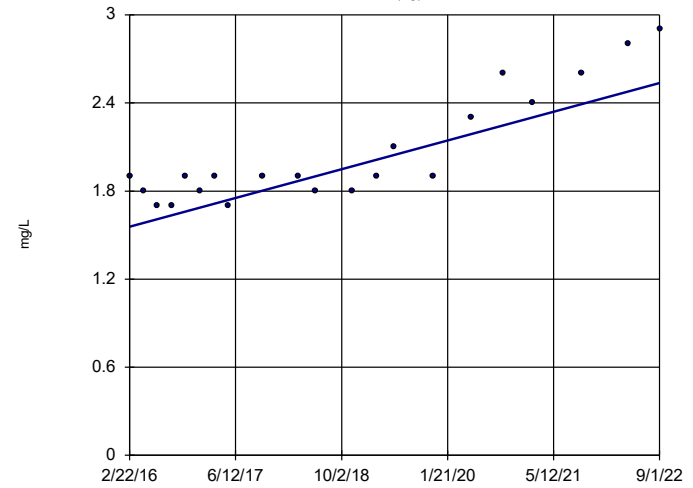


n = 21
 Slope = -4.347
 units per year.
 Mann-Kendall
 statistic = -74
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

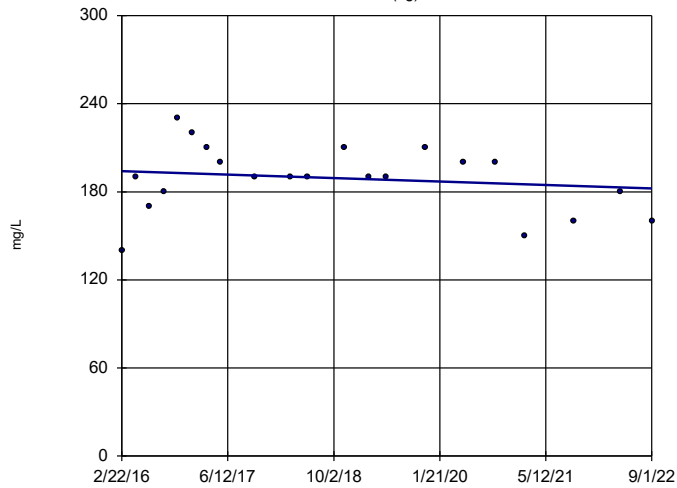


n = 21
 Slope = 0.15
 units per year.
 Mann-Kendall
 statistic = 131
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

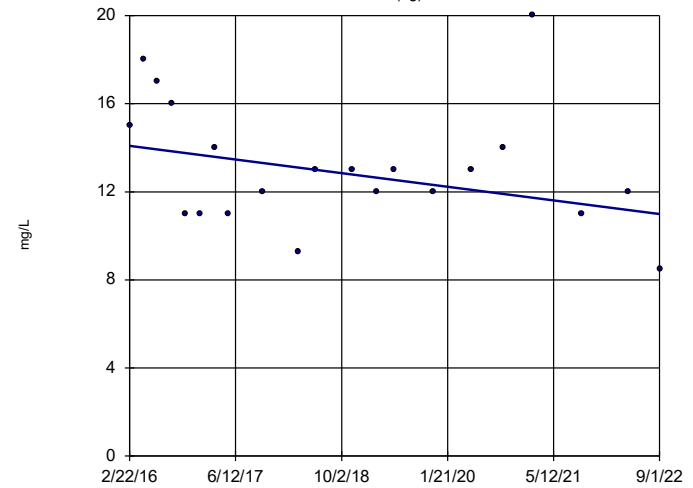


n = 21
 Slope = -1.795
 units per year.
 Mann-Kendall
 statistic = -27
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

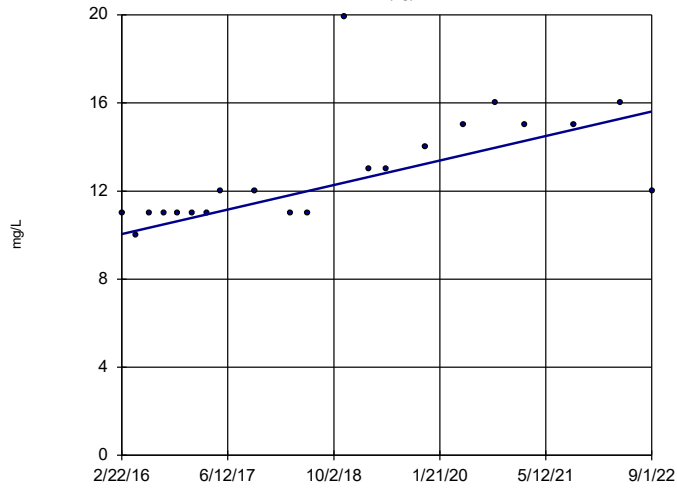


n = 21
 Slope = -0.4732
 units per year.
 Mann-Kendall
 statistic = -45
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

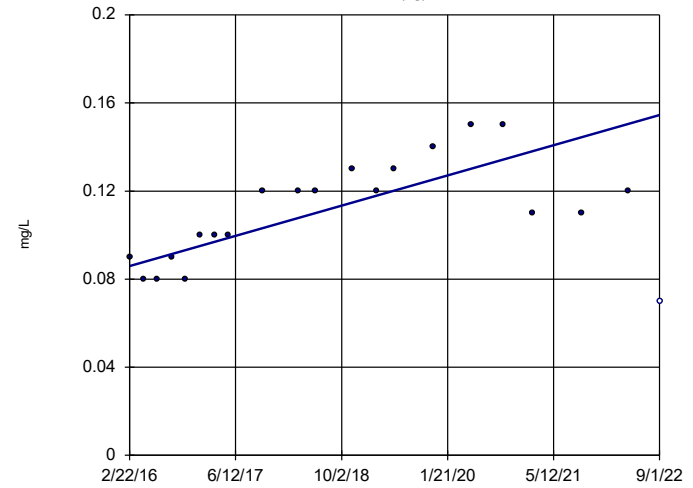


n = 21
 Slope = 0.8508
 units per year.
 Mann-Kendall
 statistic = 126
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

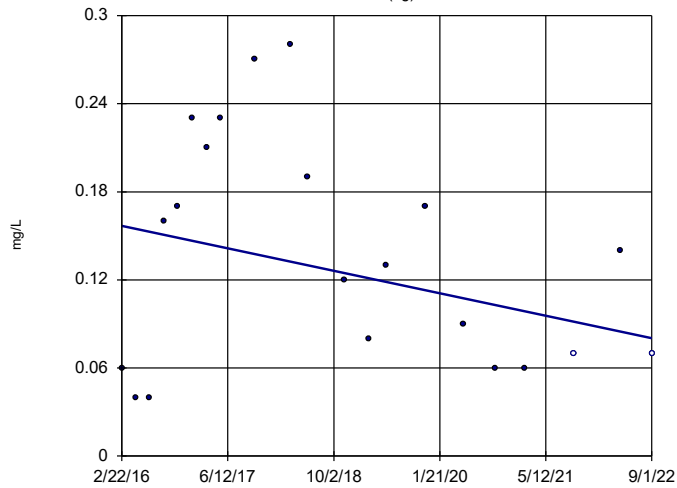


n = 21
 Slope = 0.01049
 units per year.
 Mann-Kendall
 statistic = 94
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

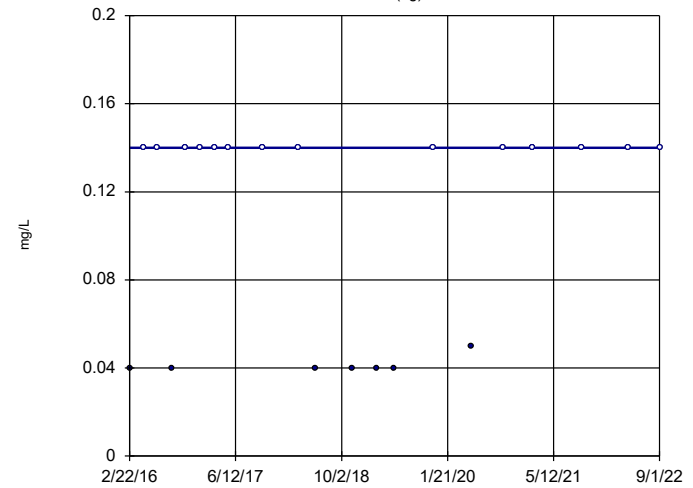


n = 21
 Slope = -0.0117
 units per year.
 Mann-Kendall
 statistic = -21
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

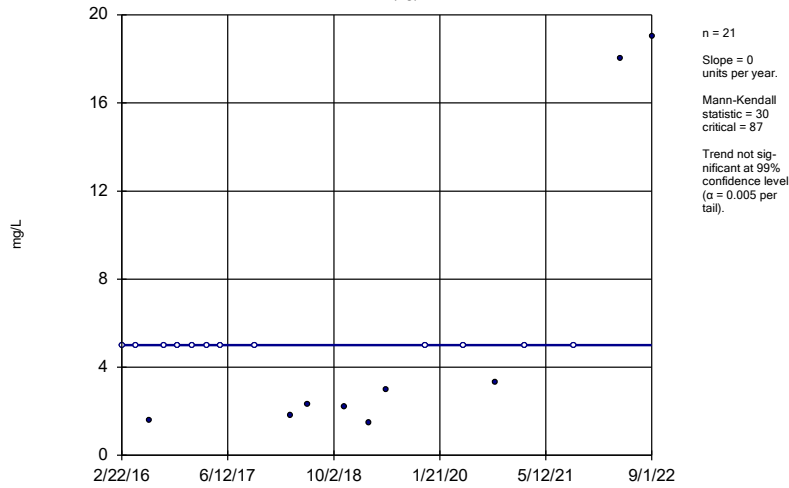


n = 21
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 18
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride, total Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

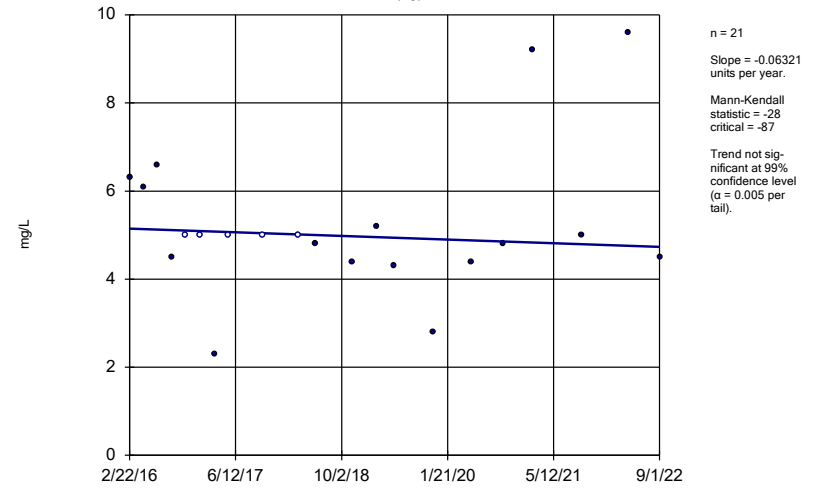
MW-12 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

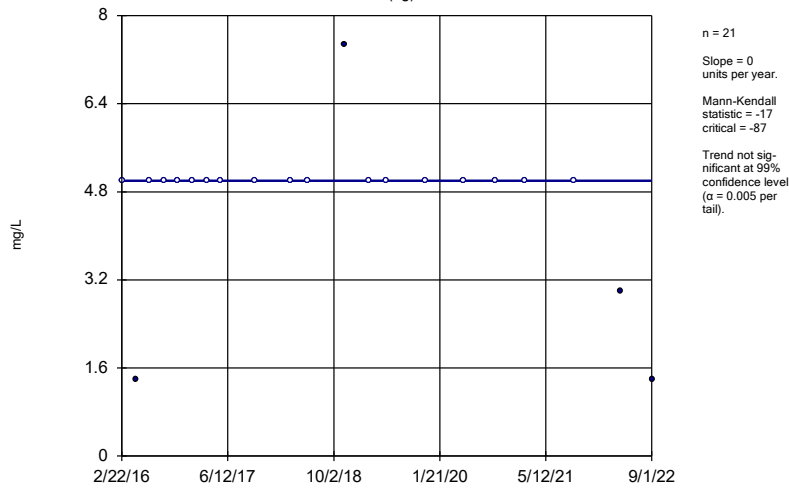
MW-2 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

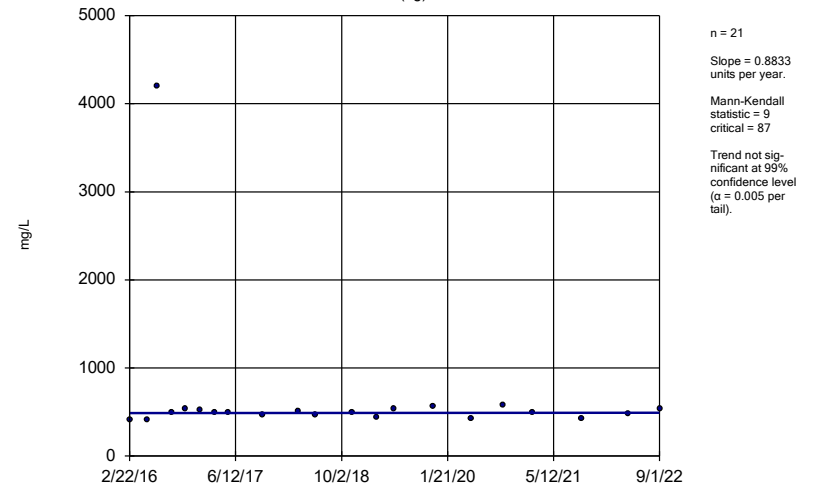
MW-3 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

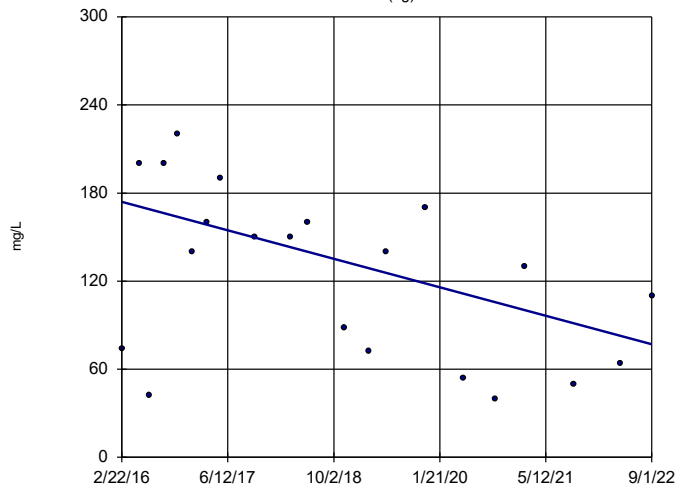
MW-12 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgradient
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

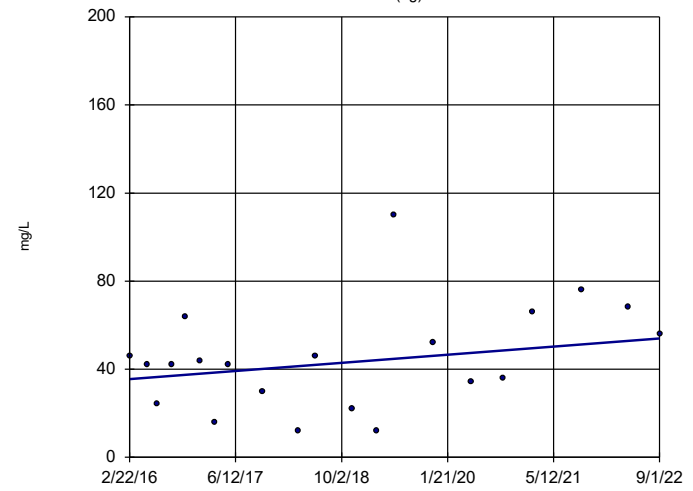


n = 21
 Slope = -14.85
 units per year.
 Mann-Kendall
 statistic = -76
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgrade
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)



n = 21
 Slope = 2.827
 units per year.
 Mann-Kendall
 statistic = 45
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 10:28 AM View: Trend Tests - Upgrade
 Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE F.

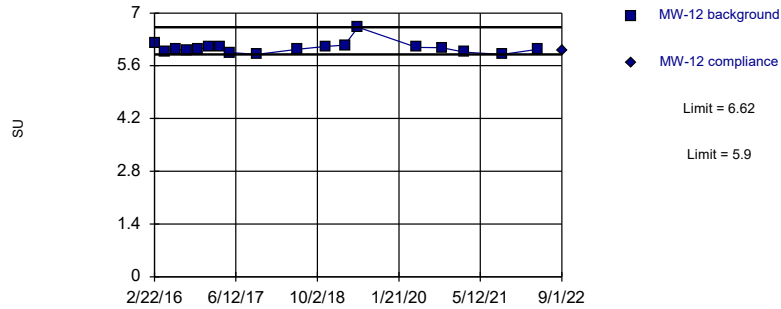
Intrawell Prediction Limits - All Results (No Significant)

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	MW-12	6.62	5.9	9/1/2022	6	No	18	n/a	n/a	0	n/a	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (SU)	MW-2	7.102	5.233	9/1/2022	5.73	No	18	6.168	0.5202	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-3	5.148	4.728	9/1/2022	4.91	No	18	4.938	0.1168	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-6	5.796	4.719	9/2/2022	5.2	No	18	5.258	0.2998	0	None	No	0.001878	Param Intra 1 of 2	
pH, Field (SU)	MW-7	6.544	5.999	9/2/2022	6.37	No	18	6.272	0.1519	0	None	No	0.001878	Param Intra 1 of 2	

Within Limits

Prediction Limit
Intrawell Non-parametric

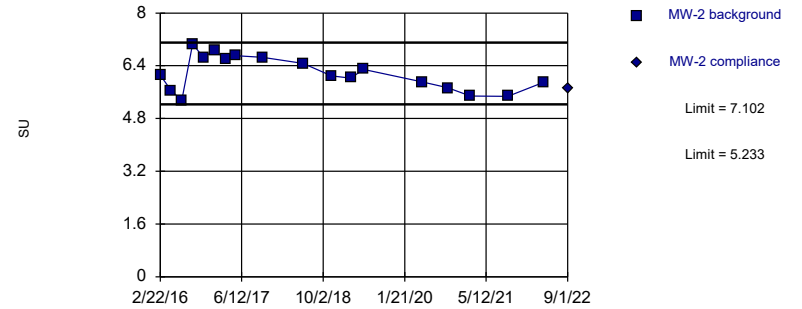


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: pH, Field Analysis Run 1/13/2023 9:42 AM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric

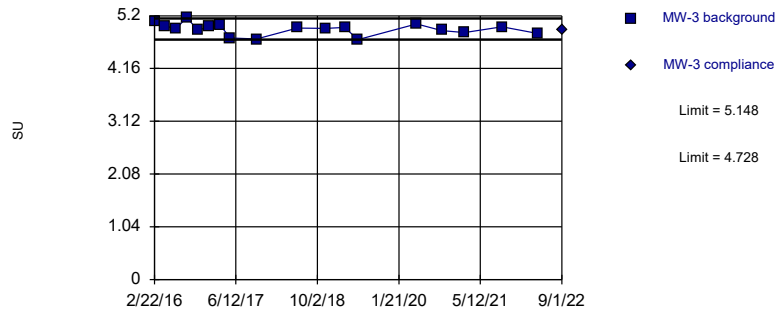


Background Data Summary: Mean=6.168, Std. Dev.=0.5202, n=18. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9577, critical = 0.897. Kappa = 1.796 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 9:42 AM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric

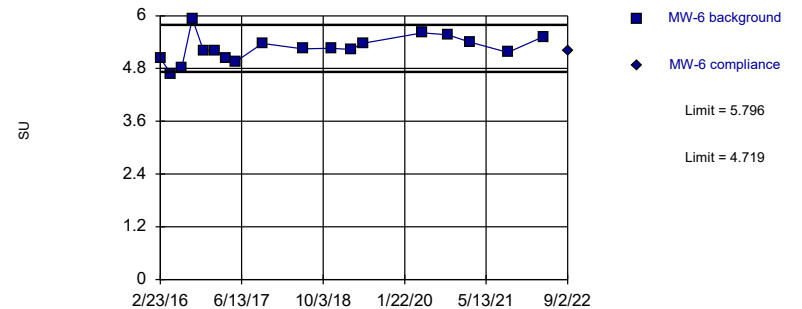


Background Data Summary: Mean=4.938, Std. Dev.=0.1168, n=18. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9618, critical = 0.897. Kappa = 1.796 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 9:42 AM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=5.258, Std. Dev.=0.2998, n=18. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9836, critical = 0.897. Kappa = 1.796 (c=7, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003756.

Constituent: pH, Field Analysis Run 1/13/2023 9:42 AM View: Appendix III - Intrawell
Plant Smith Client: FPL Data: Plant Smith CCR

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:42 AM View: Appendix III - IntraWell
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12	MW-12
2/22/2016	6.19 (B01)	
4/26/2016	5.99 (B02)	
6/27/2016	6.04 (B03)	
8/29/2016	6.01 (B04)	
11/1/2016	6.03 (B05)	
1/4/2017	6.1 (B06)	
3/10/2017	6.1 (B07)	
5/11/2017	5.95 (B08)	
10/12/2017	5.9	
6/6/2018	6.04	
11/19/2018	6.11	
3/11/2019	6.15	
5/28/2019	6.62	
5/5/2020	6.09	
9/29/2020	6.08	
2/9/2021	5.96	
9/16/2021	5.9	
4/14/2022	6.04	
9/1/2022		6

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:42 AM View: Appendix III - IntraWell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-2	MW-2
2/22/2016	6.11 (B01)	
4/25/2016	5.65 (B02)	
6/27/2016	5.35 (B03)	
8/29/2016	7.06 (B04)	
11/1/2016	6.65 (B05)	
1/4/2017	6.88 (B06)	
3/10/2017	6.59 (B07)	
5/11/2017	6.7 (B08)	
10/12/2017	6.66	
6/6/2018	6.47	
11/19/2018	6.09	
3/11/2019	6.03	
5/28/2019	6.29	
5/5/2020	5.91	
9/29/2020	5.73	
2/9/2021	5.48	
9/16/2021	5.47	
4/14/2022	5.9	
9/1/2022		5.73

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:42 AM View: Appendix III - IntraWell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-3	MW-3
2/22/2016	5.09 (B01)	
4/25/2016	5 (B02)	
6/27/2016	4.94 (B03)	
8/29/2016	5.17 (B04)	
11/1/2016	4.91 (B05)	
1/4/2017	4.99 (B06)	
3/10/2017	5.02 (B07)	
5/11/2017	4.76 (B08)	
10/12/2017	4.74	
6/6/2018	4.96	
11/19/2018	4.95	
3/11/2019	4.97	
5/28/2019	4.73	
5/5/2020	5.04	
9/29/2020	4.91	
2/9/2021	4.87	
9/16/2021	4.98	
4/14/2022	4.85	
9/1/2022		4.91

Prediction Limit

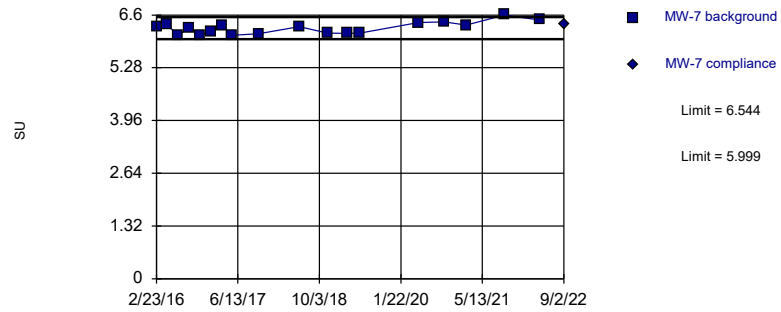
Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:42 AM View: Appendix III - Intrawell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-6
2/23/2016	5.03 (B01)	
4/26/2016	4.68 (B02)	
6/28/2016	4.82 (B03)	
8/29/2016	5.94 (B04)	
11/2/2016	5.2 (B05)	
1/5/2017	5.2 (B06)	
3/11/2017	5.05 (B07)	
5/11/2017	4.96 (B08)	
10/12/2017	5.37	
6/8/2018	5.25	
11/19/2018	5.26	
3/12/2019	5.23	
5/29/2019	5.38	
5/6/2020	5.61	
9/30/2020	5.57	
2/9/2021	5.4	
9/17/2021	5.17	
4/14/2022	5.52	
9/2/2022		5.2

Within Limits

Prediction Limit Intrawell Parametric



Prediction Limit

Constituent: pH, Field (SU) Analysis Run 1/13/2023 9:42 AM View: Appendix III - IntraWell
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-7	MW-7
2/23/2016	6.32 (B01)	
4/26/2016	6.36 (B02)	
6/28/2016	6.09 (B03)	
8/29/2016	6.27 (B04)	
11/2/2016	6.09 (B05)	
1/5/2017	6.18 (B06)	
3/11/2017	6.34 (B07)	
5/12/2017	6.09 (B08)	
10/12/2017	6.13	
6/8/2018	6.31	
11/19/2018	6.15	
3/12/2019	6.14	
5/29/2019	6.15	
5/6/2020	6.41	
9/30/2020	6.43	
2/9/2021	6.35	
9/17/2021	6.6	
4/14/2022	6.48	
9/2/2022		6.37

FIGURE G.

Interwell Prediction Limits - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	9/2/2022	7.6	Yes	63	n/a	n/a	44.44	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	9/2/2022	3	Yes	63	n/a	n/a	44.44	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	9/2/2022	230	Yes	62	n/a	n/a	0	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	9/2/2022	360	Yes	62	n/a	n/a	0	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	9/2/2022	2300	Yes	63	n/a	n/a	0	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	9/2/2022	2600	Yes	63	n/a	n/a	0	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	19	n/a	9/2/2022	390	Yes	63	n/a	n/a	53.97	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	19	n/a	9/2/2022	580	Yes	63	n/a	n/a	53.97	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	9/2/2022	5200	Yes	62	n/a	n/a	0	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	9/2/2022	6100	Yes	62	n/a	n/a	0	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

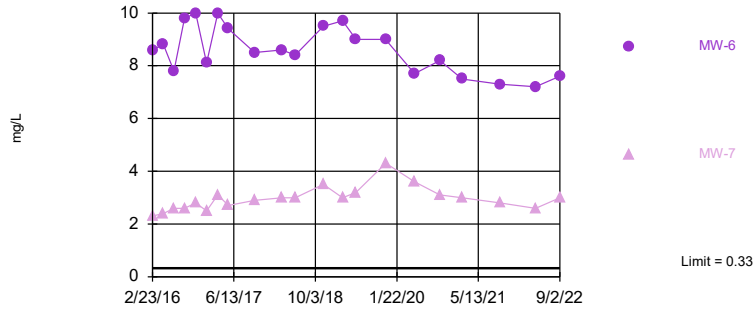
Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MW-6	0.33	n/a	9/2/2022	7.6	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MW-7	0.33	n/a	9/2/2022	3	Yes	63	n/a	n/a	44.44	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-6	49	n/a	9/2/2022	230	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MW-7	49	n/a	9/2/2022	360	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-6	230	n/a	9/2/2022	2300	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MW-7	230	n/a	9/2/2022	2600	Yes	63	n/a	n/a	0	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-6	0.28	n/a	9/2/2022	0.14ND	No	63	n/a	n/a	26.98	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MW-7	0.28	n/a	9/2/2022	0.14ND	No	63	n/a	n/a	26.98	n/a	n/a	n/a	0.0004859	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MW-6	19	n/a	9/2/2022	390	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Sulfate as SO4 (mg/L)	MW-7	19	n/a	9/2/2022	580	Yes	63	n/a	n/a	53.97	n/a	n/a	n/a	0.0004859	NP Inter (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-6	580	n/a	9/2/2022	5200	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-7	580	n/a	9/2/2022	6100	Yes	62	n/a	n/a	0	n/a	n/a	n/a	0.0004996	NP Inter (normality) 1 of 2

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



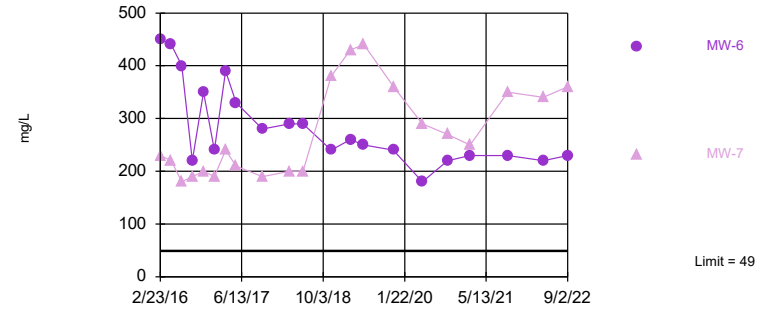
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 63 background values. 44.44% NDs. Annual per-constituent alpha = 0.001942. Individual comparison alpha = 0.0004859 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron, total Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



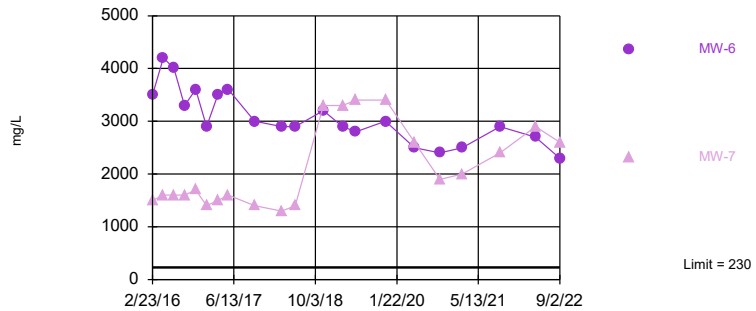
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 62 background values. Annual per-constituent alpha = 0.001997. Individual comparison alpha = 0.0004996 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Calcium, total Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 63 background values. Annual per-constituent alpha = 0.001942. Individual comparison alpha = 0.0004859 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

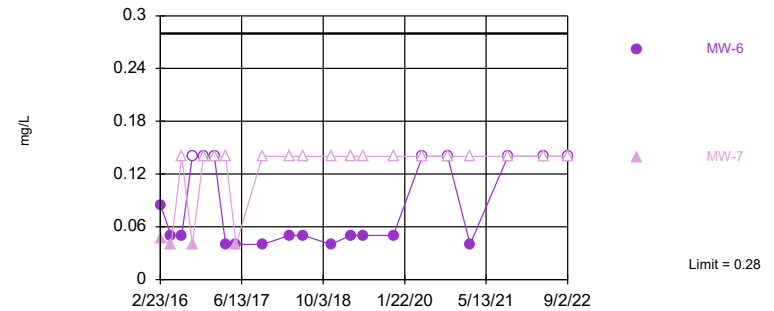
Constituent: Chloride, Total Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric

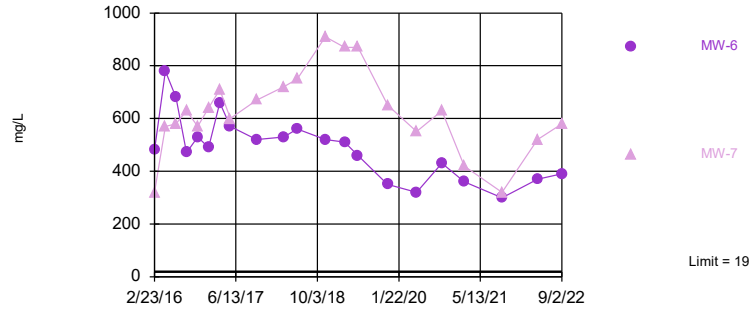


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 63 background values. 26.98% NDs. Annual per-constituent alpha = 0.001942. Individual comparison alpha = 0.0004859 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Fluoride, total Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit
Interwell Non-parametric

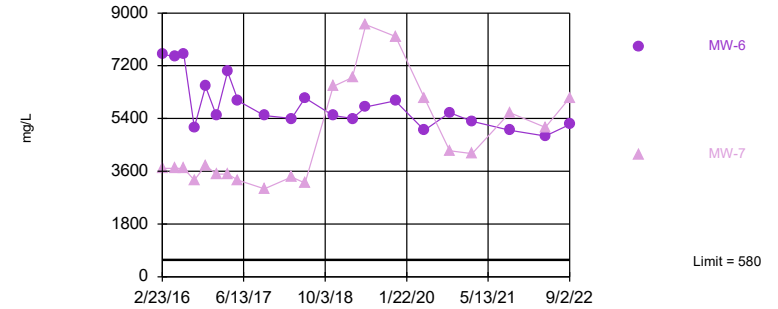


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 63 background values. 53.97% NDs. Annual per-constituent alpha = 0.001942. Individual comparison alpha = 0.0004859 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate as SO4 Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Exceeds Limit: MW-6, MW-7

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 62 background values. Annual per-constituent alpha = 0.001997. Individual comparison alpha = 0.0004996 (1 of 2). Comparing 2 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell
Plant Smith Client: FPL Data: Plant Smith CCR

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-7	MW-6
2/22/2016	0.14 (J)	<0.05	<0.05		
2/23/2016				2.3	8.6
4/25/2016		0.022 (J)	<0.05		
4/26/2016	0.27			2.4	8.8
6/27/2016	0.083	0.032 (J)	<0.05		
6/28/2016				2.6	7.8
8/29/2016	<0.05 (*)	<0.05 (*)	<0.05	2.6	9.8
11/1/2016	0.1	<0.05	<0.05		
11/2/2016				2.8	10
1/4/2017	0.062	<0.05	<0.05		
1/5/2017				2.5	8.1
3/10/2017	0.06	0.032 (J)	<0.05		
3/11/2017				3.1	10
5/11/2017	0.33	0.23	0.18		9.4
5/12/2017				2.7	
10/12/2017	0.082	<0.05	<0.05	2.9	8.5
3/20/2018	0.072		<0.05		
3/21/2018		<0.05		3	8.6
6/6/2018	0.077	0.027 (J)	<0.05		
6/8/2018				3	8.4
11/19/2018	0.071	0.045 (J)	<0.05	3.5	9.5
3/11/2019	<0.05	<0.05	<0.05		
3/12/2019				3	9.7
5/28/2019	0.024 (J)	<0.05	<0.05		
5/29/2019				3.2	9
11/18/2019	0.075	0.036 (V)	0.0094 (IV)		9 (J3)
11/19/2019				4.3 (J3)	
5/5/2020	0.11	0.041	0.0073 (J)		
5/6/2020				3.6	7.7
9/29/2020	0.086	0.04	<0.05		
9/30/2020				3.1	8.2
2/9/2021	0.09	0.024 (I)	<0.05	3	7.5
9/16/2021	0.11	0.045 (I)	<0.05		
9/17/2021				2.8	7.3
4/14/2022	0.076	0.024 (J)	<0.05	2.6	7.2
9/1/2022	0.083	0.032 (J)	<0.05		
9/2/2022				3	7.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	23	1.9	12		
2/23/2016				450	230
4/25/2016		1.8	11		
4/26/2016	33			440	220
6/27/2016	29	1.7	7.7		
6/28/2016				400	180
8/29/2016	28	1.7	48	220	190
11/1/2016	36	1.9	49		
11/2/2016				350	200
1/4/2017	36	1.8	44		
1/5/2017				240	190
3/10/2017	37	1.9	46		
3/11/2017				390	240
5/11/2017	31	1.7	43	330	
5/12/2017					210
10/12/2017	32	1.9	45	280	190
3/20/2018	34	1.9			
3/21/2018			45	290	200
6/6/2018	30	1.8	32		
6/8/2018				290	200
11/19/2018	38	1.8	20	240	380
3/11/2019	31	1.9	16		
3/12/2019				260	430
5/28/2019	37	2.1	35		
5/29/2019				250	440
11/18/2019	30	1.9	44	240	
11/19/2019					360
5/5/2020	31	2.3	13		
5/6/2020				180	290
9/29/2020	41	2.6	9.6		
9/30/2020				220	270
2/9/2021	26	2.4	9.1	230	250
9/16/2021	250 (O)	2.6	6.9		
9/17/2021				230	350
4/14/2022	30	2.8	17	220	340
9/1/2022	31	2.9	9.7		
9/2/2022				230	360

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-7	MW-6
2/22/2016	140	15	11		
2/23/2016				1500	3500
4/25/2016		18	10		
4/26/2016	190			1600	4200
6/27/2016	170	17	11		
6/28/2016				1600	4000
8/29/2016	180	16	11	1600	3300
11/1/2016	230	11	11		
11/2/2016				1700	3600
1/4/2017	220	11	11		
1/5/2017				1400	2900
3/10/2017	210	14	11		
3/11/2017				1500	3500
5/11/2017	200	11	12		3600
5/12/2017				1600	
10/12/2017	190	12	12	1400	3000
3/20/2018	190		11		
3/21/2018		9.3		1300	2900
6/6/2018	190	13	11		
6/8/2018				1400	2900
11/19/2018	210	13	19.9 (D)	3300	3200
3/11/2019	190	12	13		
3/12/2019				3300	2900
5/28/2019	190	13	13		
5/29/2019				3400	2800
11/18/2019	210	12	14		3000
11/19/2019				3400	
5/5/2020	200	13	15		
5/6/2020				2600	2500
9/29/2020	200	14	16		
9/30/2020				1900	2400
2/9/2021	150	20	15	2000	2500
9/16/2021	160	11	15		
9/17/2021				2400	2900
4/14/2022	180	12	16	2900	2700
9/1/2022	160	8.5	12		
9/2/2022				2600	2300

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-7	MW-6
2/22/2016	0.09 (J)	0.06 (J)	0.04 (J)		
2/23/2016				0.047 (J)	0.085 (J)
4/25/2016		0.04 (J)	<0.14		
4/26/2016	0.08 (J)			0.04 (J)	0.05 (J)
6/27/2016	0.08 (J)	0.04 (J)	<0.14		
6/28/2016				<0.14	0.05 (J)
8/29/2016	0.09 (J)	0.16	0.04 (J)	0.04 (J)	<0.14
11/1/2016	0.08 (J)	0.17	<0.14		
11/2/2016				<0.14	<0.14
1/4/2017	0.1	0.23	<0.14		
1/5/2017				<0.14	<0.14
3/10/2017	0.1	0.21	<0.14		
3/11/2017				<0.14	0.04 (J)
5/11/2017	0.1	0.23	<0.14		0.04 (J)
5/12/2017				0.04 (J)	
10/12/2017	0.12	0.27	<0.14	<0.14	0.04
3/20/2018	0.12		<0.14		
3/21/2018		0.28		<0.14	0.05 (J)
6/6/2018	0.12	0.19	0.04 (J)		
6/8/2018				<0.14	0.05 (J)
11/19/2018	0.13	0.12	0.04 (J)	<0.14	0.04 (J)
3/11/2019	0.12	0.08 (J)	0.04 (J)		
3/12/2019				<0.14	0.05 (J)
5/28/2019	0.13	0.13	0.04 (J)		
5/29/2019				<0.14	0.05 (J)
11/18/2019	0.14	0.17	<0.14		0.05 (I)
11/19/2019				<0.14	
5/5/2020	0.15 (V)	0.09 (J)	0.05 (J)		
5/6/2020				<0.14	<0.14
9/29/2020	0.15	0.06	<0.14		
9/30/2020				<0.14	<0.14
2/9/2021	0.11	0.06 (I)	<0.14	<0.14	0.04 (I)
9/16/2021	0.11	<0.14	<0.14		
9/17/2021				<0.14	<0.14
4/14/2022	0.12	0.14	<0.14	<0.14	<0.14
9/1/2022	<0.14	<0.14	<0.14		
9/2/2022				<0.14	<0.14

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-2 (bg)	MW-3 (bg)	MW-7	MW-6
2/22/2016	<5	6.3	<5		
2/23/2016				320	480
4/25/2016		6.1	1.4 (J)		
4/26/2016	<5			570	780
6/27/2016	1.6 (J)	6.6	<5		
6/28/2016				580	680
8/29/2016	<5	4.5 (J)	<5	630	470 (J)
11/1/2016	<5	<5	<5		
11/2/2016				570	530
1/4/2017	<5	<5 (*)	<5 (*)		
1/5/2017				640	490
3/10/2017	<5	2.3 (J)	<5		
3/11/2017				710	660
5/11/2017	<5	<5	<5		570
5/12/2017				600	
10/12/2017	<5	<5	<5	670	520
3/20/2018	1.8 (J)		<5		
3/21/2018		<5		720	530
6/6/2018	2.3 (J)	4.8 (J)	<5		
6/8/2018				750	560
11/19/2018	2.2 (J)	4.4 (J)	7.473 (D)	910	520
3/11/2019	1.5 (J)	5.2	<5		
3/12/2019				870	510
5/28/2019	3 (J)	4.3 (J)	<5		
5/29/2019				870	460
11/18/2019	<5	2.8 (I)	<5		350
11/19/2019				650	
5/5/2020	<5	4.4 (J)	<5		
5/6/2020				550	320
9/29/2020	3.3	4.8	<5		
9/30/2020				630	430
2/9/2021	<5	9.2	<5	420	360
9/16/2021	<5	5	<5		
9/17/2021				320	300
4/14/2022	18	9.6	3 (J)	520	370
9/1/2022	19	4.5 (J)	1.4 (J)		
9/2/2022				580	390

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/13/2023 10:41 AM View: Appendix III - Interwell

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-12 (bg)	MW-3 (bg)	MW-2 (bg)	MW-6	MW-7
2/22/2016	410	46	74		
2/23/2016				7600	3700
5/11/2016	410	42	200	7500	3700
6/27/2016	4200 (O)	24	42		
6/28/2016				7600	3700
8/29/2016	490	42	200	5100	3300
11/1/2016	540	64	220		
11/2/2016				6500	3800
1/4/2017	520	44	140		
1/5/2017				5500	3500
3/10/2017	490	16	160		
3/11/2017				7000	3500
5/11/2017	490	42	190	6000	
5/12/2017					3300
10/12/2017	470	30	150	5500	3000
3/20/2018	510	12			
3/21/2018			150	5400	3400
6/6/2018	460	46	160		
6/8/2018				6100	3200
11/19/2018	490	22	88 (D)	5500	6500
3/11/2019	440	12	72		
3/12/2019				5400	6800
5/28/2019	540	110	140		
5/29/2019				5800	8600
11/18/2019	560	52	170	6000	
11/19/2019					8200
5/5/2020	430	34	54		
5/6/2020				5000	6100
9/29/2020	580	36	40		
9/30/2020				5600	4300
2/9/2021	500	66	130	5300	4200
9/16/2021	430	76	50		
9/17/2021				5000	5600
4/14/2022	480	68	64	4800	5100
9/1/2022	530	56	110		
9/2/2022				5200	6100

FIGURE H.

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:48 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-7	0.1237	89	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-30.15	-130	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	22.85	91	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-205.3	-140	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-40.63	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-308	-115	-87	Yes	21	0	n/a	n/a	0.01	NP

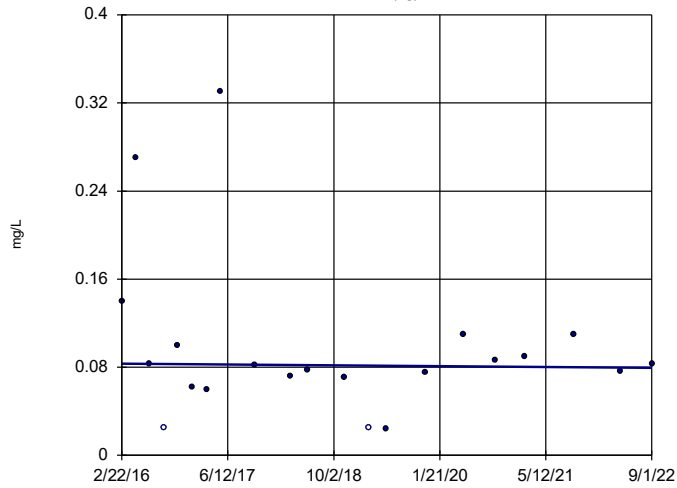
Trend Tests - Prediction Limit Exceedances - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 9:48 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MW-12 (bg)	-0.0005688	-7	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-2 (bg)	-0.001405	-49	-87	No	21	38.1	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-3 (bg)	0	-23	-87	No	21	85.71	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-6	-0.2518	-83	-87	No	21	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MW-7	0.1237	89	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-12 (bg)	0.08621	11	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-2 (bg)	-4.347	-74	-87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-3 (bg)	0.15	131	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-6	-30.15	-130	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MW-7	22.85	91	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-12 (bg)	-1.795	-27	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-2 (bg)	-0.4732	-45	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-3 (bg)	0.8508	126	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-6	-205.3	-140	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MW-7	174.3	75	87	No	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-12 (bg)	0	30	87	No	21	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-2 (bg)	-0.06321	-28	-87	No	21	23.81	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-3 (bg)	0	-17	-87	No	21	80.95	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-6	-40.63	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MW-7	1.643	7	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-12 (bg)	4.49	25	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-2 (bg)	-14.85	-76	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-3 (bg)	2.827	45	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-6	-308	-115	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MW-7	309.7	62	87	No	21	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-12 (bg)

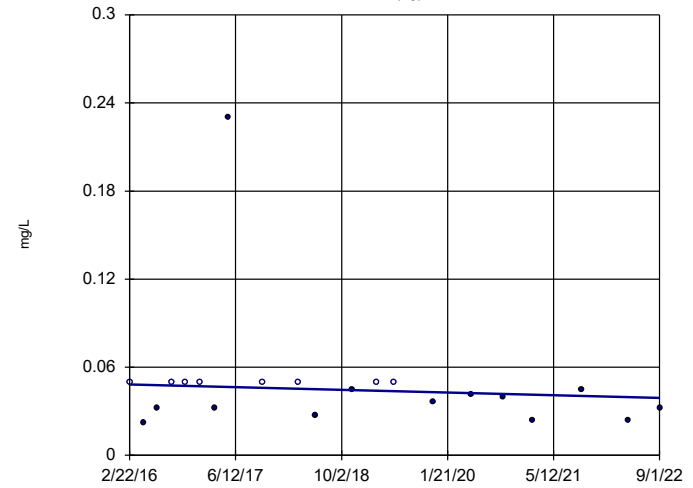


n = 21
Slope = -0.0005688
units per year.
Mann-Kendall
statistic = -7
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

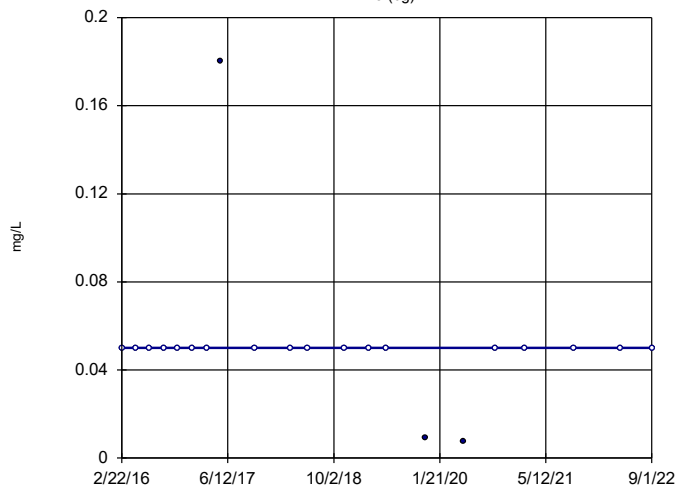


n = 21
Slope = -0.001405
units per year.
Mann-Kendall
statistic = -49
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

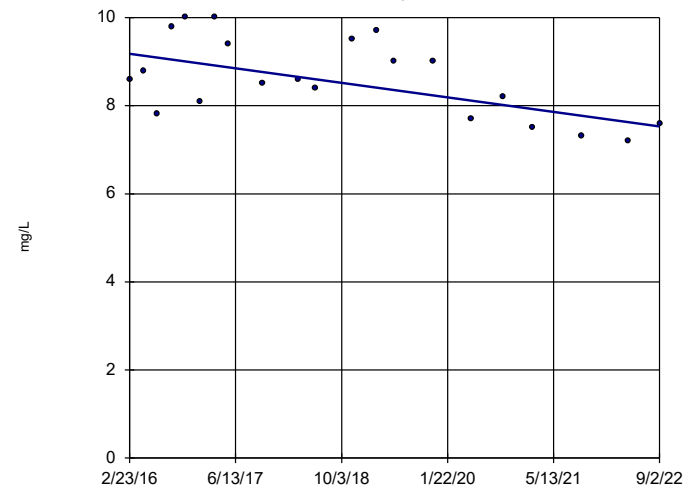


n = 21
Slope = 0
units per year.
Mann-Kendall
statistic = -23
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-6

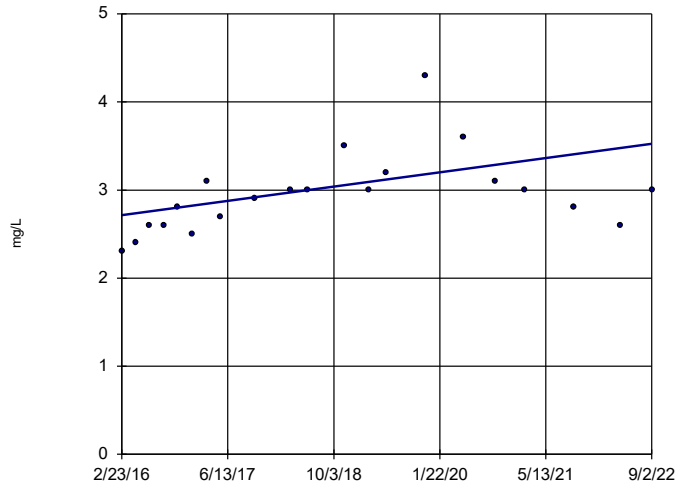


n = 21
Slope = -0.2518
units per year.
Mann-Kendall
statistic = -83
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-7

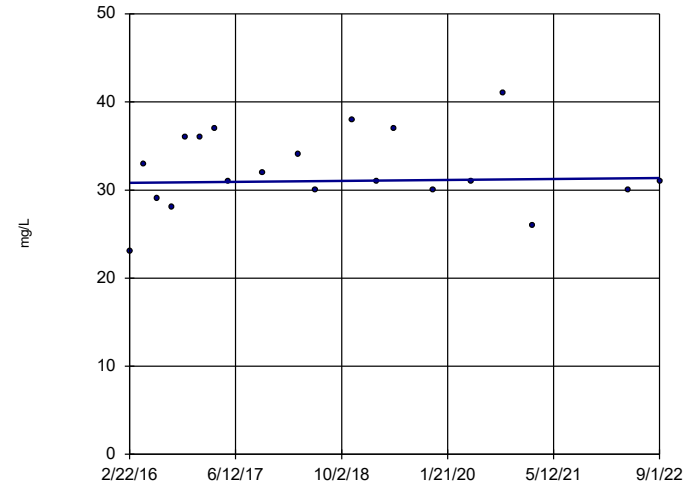


n = 21
 Slope = 0.1237
 units per year.
 Mann-Kendall
 statistic = 89
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

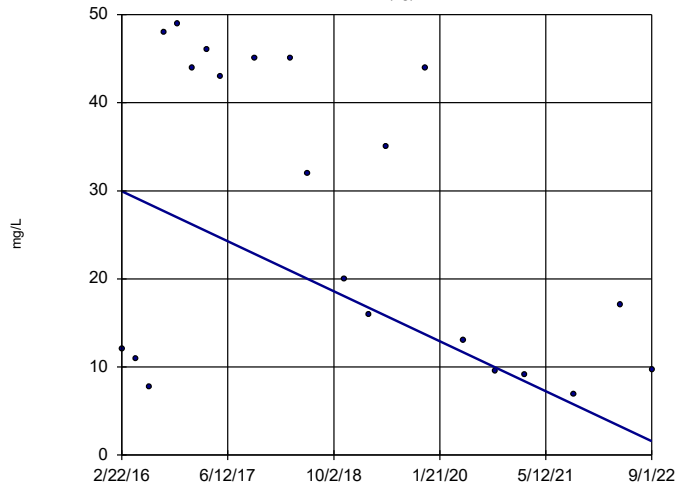


n = 20
 Slope = 0.08621
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

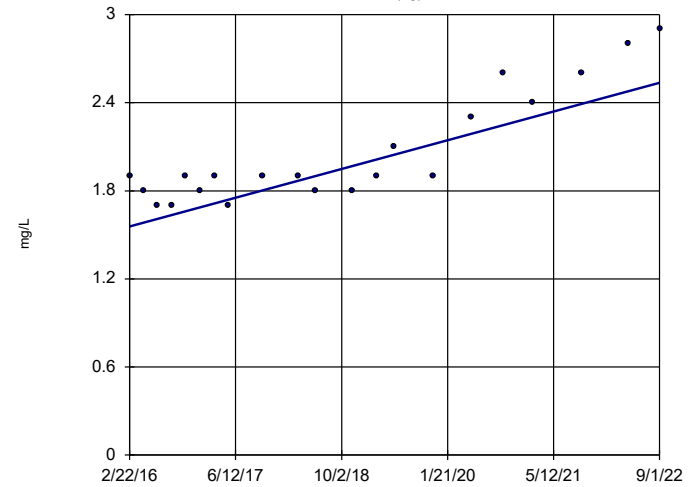


n = 21
 Slope = -4.347
 units per year.
 Mann-Kendall
 statistic = -74
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-3 (bg)

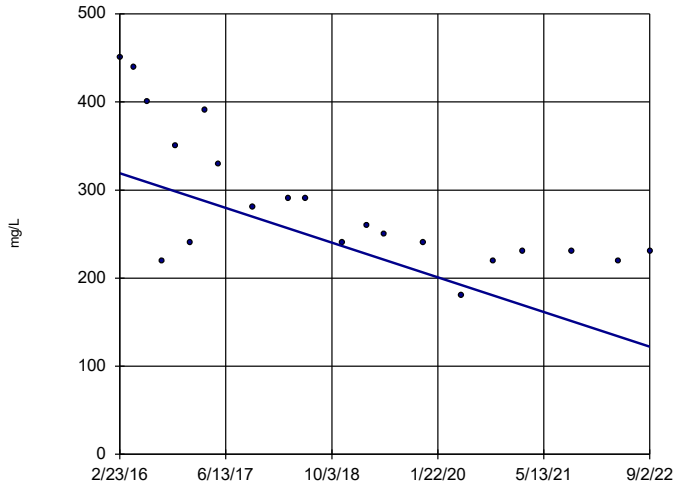


n = 21
 Slope = 0.15
 units per year.
 Mann-Kendall
 statistic = 131
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-6

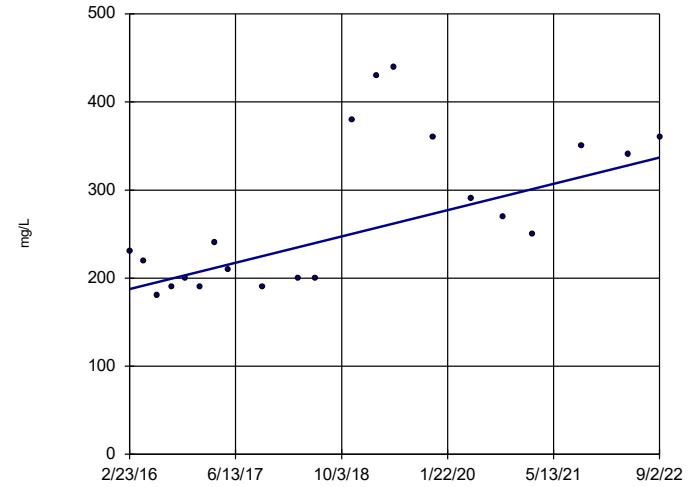


n = 21
 Slope = -30.15 units per year.
 Mann-Kendall statistic = -130
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-7

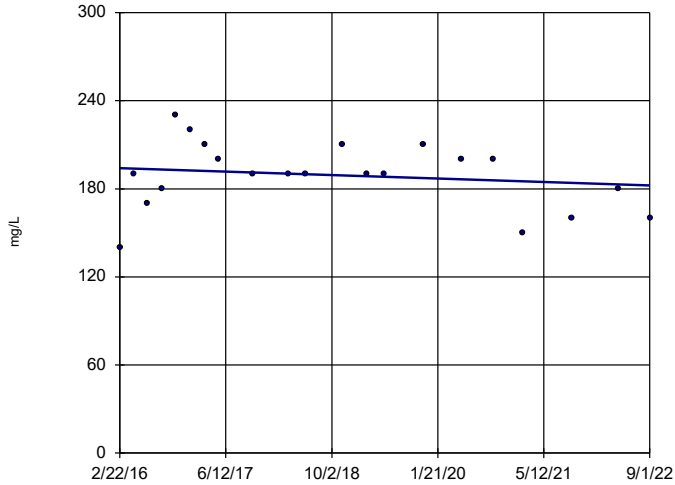


n = 21
 Slope = 22.85 units per year.
 Mann-Kendall statistic = 91
 critical = 87
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-12 (bg)

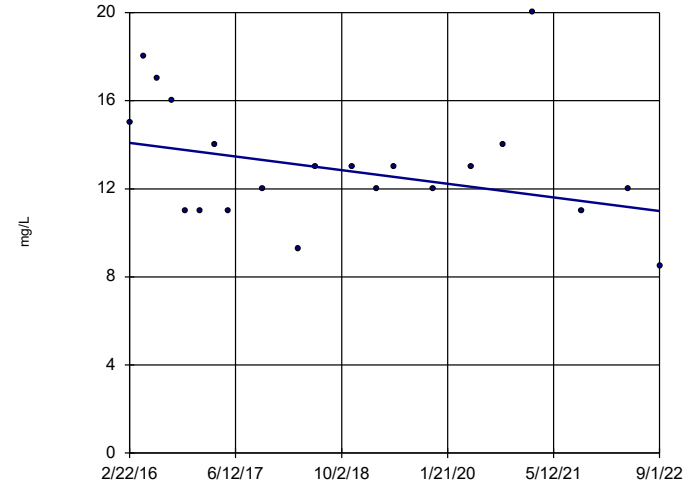


n = 21
 Slope = -1.795 units per year.
 Mann-Kendall statistic = -27
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-2 (bg)

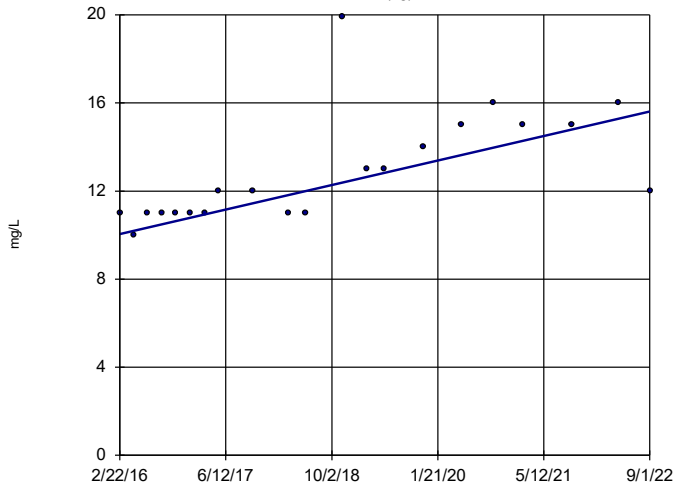


n = 21
 Slope = -0.4732 units per year.
 Mann-Kendall statistic = -45
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
 Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

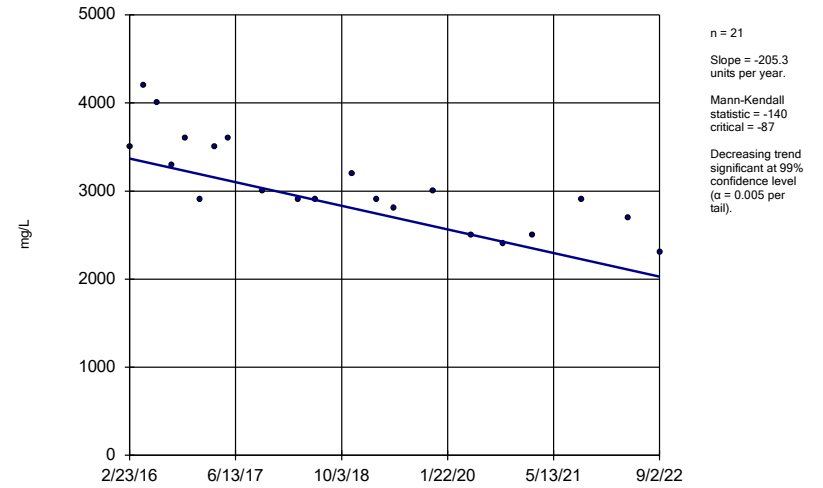
MW-3 (bg)



Constituent: Chloride, Total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

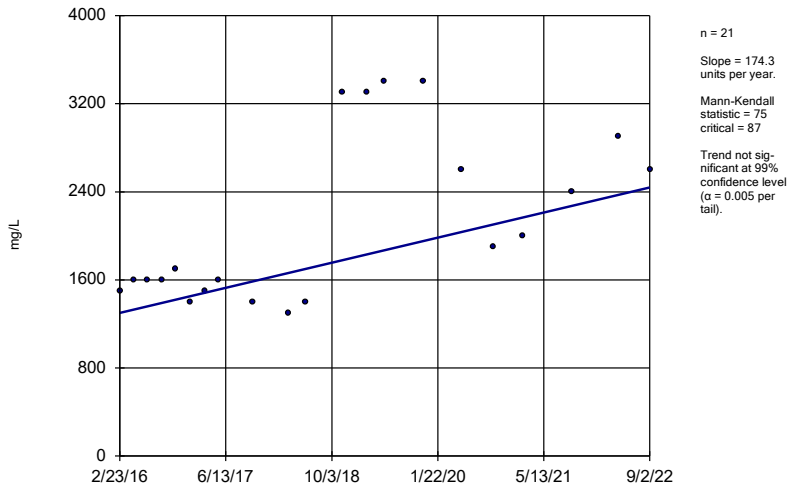
MW-6



Constituent: Chloride, Total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

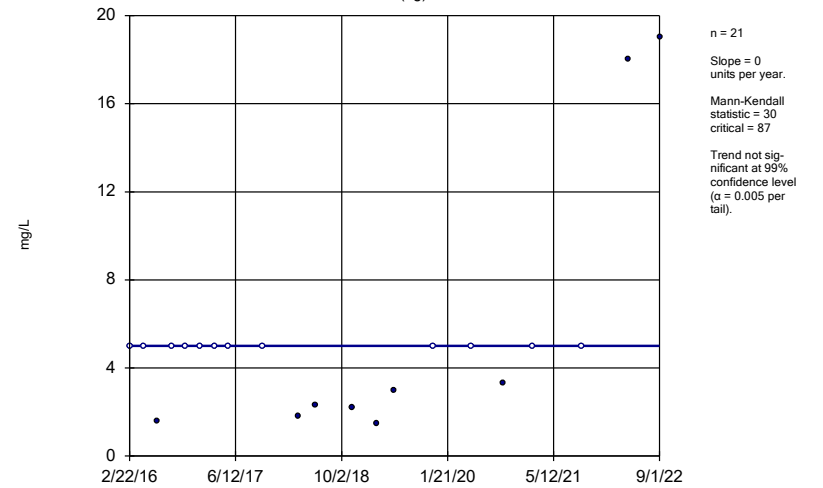
MW-7



Constituent: Chloride, Total Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

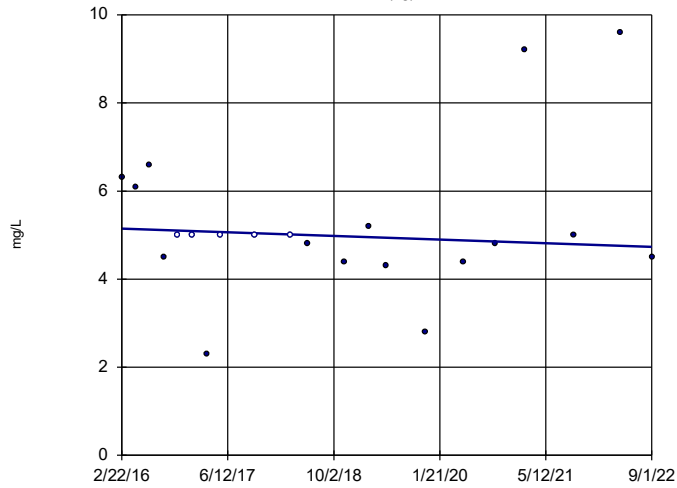
MW-12 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

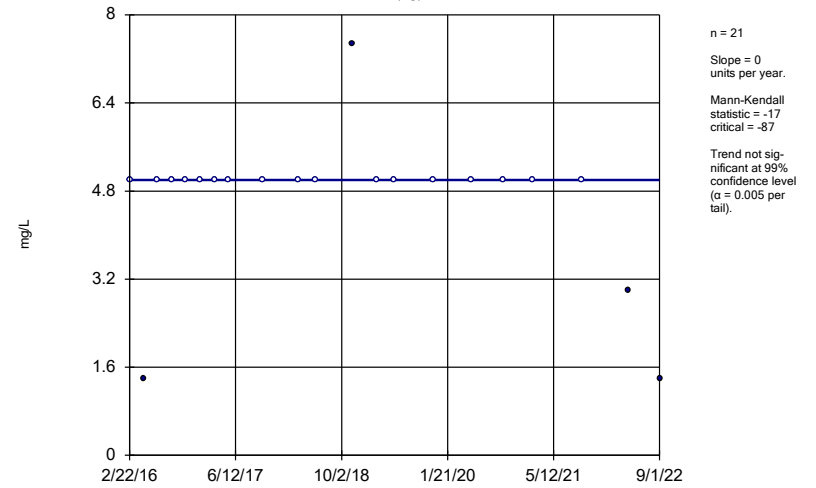
MW-2 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

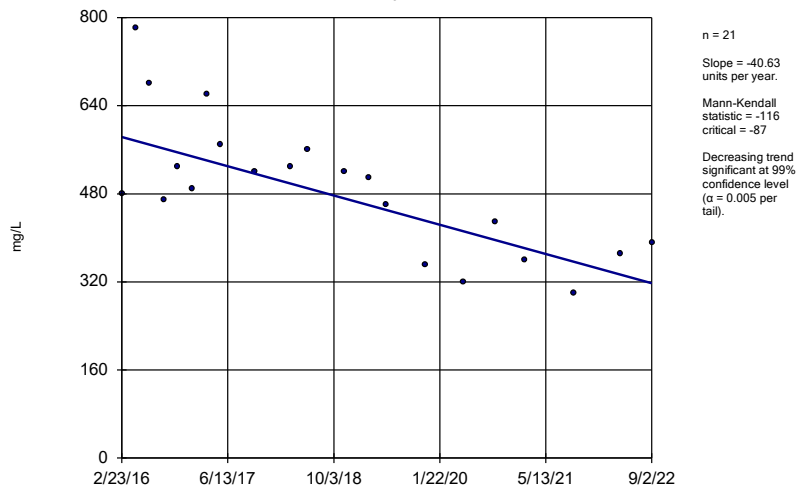
MW-3 (bg)



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

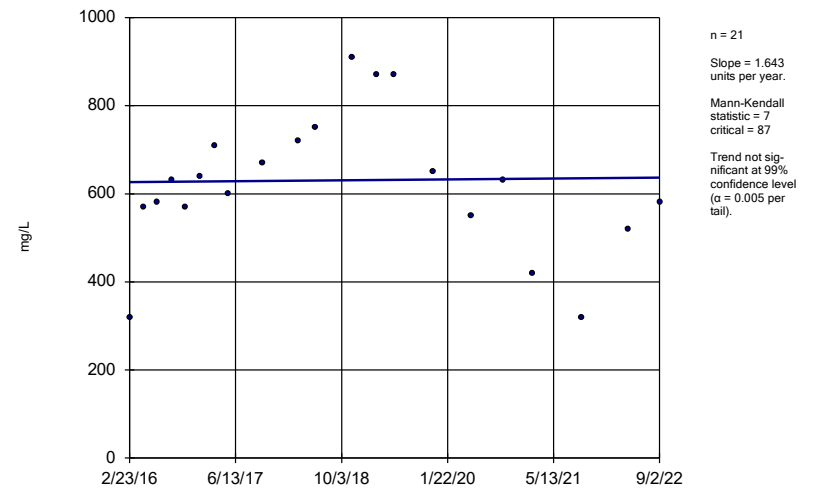
MW-6



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

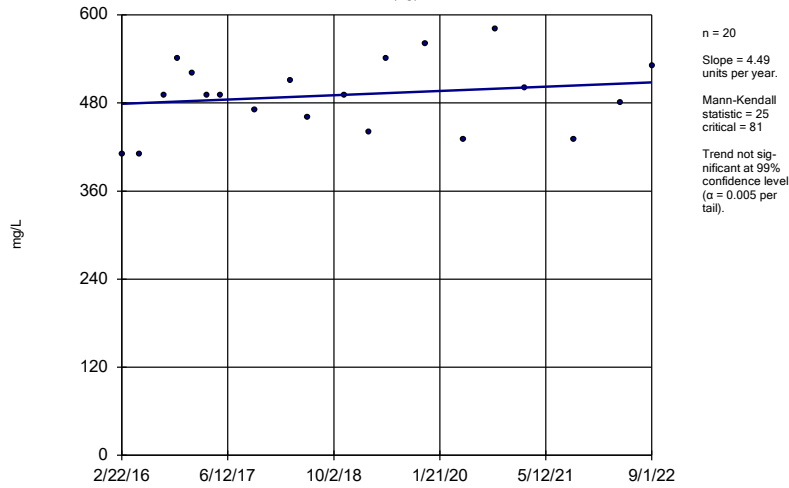
MW-7



Constituent: Sulfate as SO4 Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tests
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

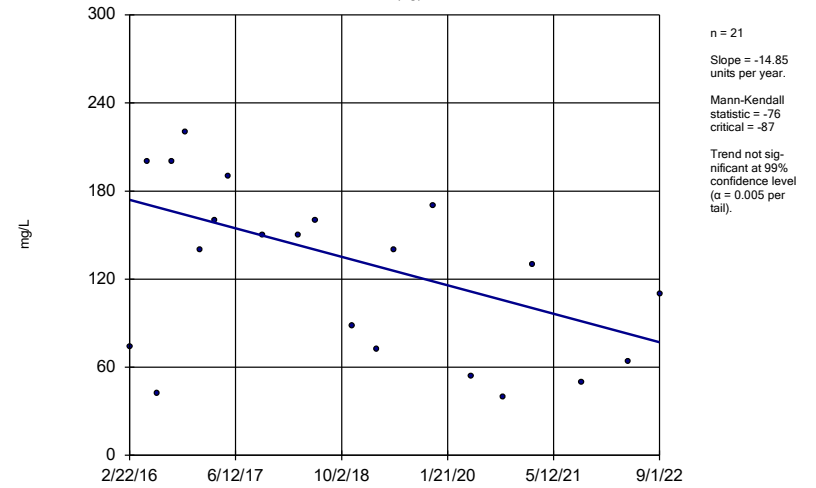
MW-12 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 9:46 AM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

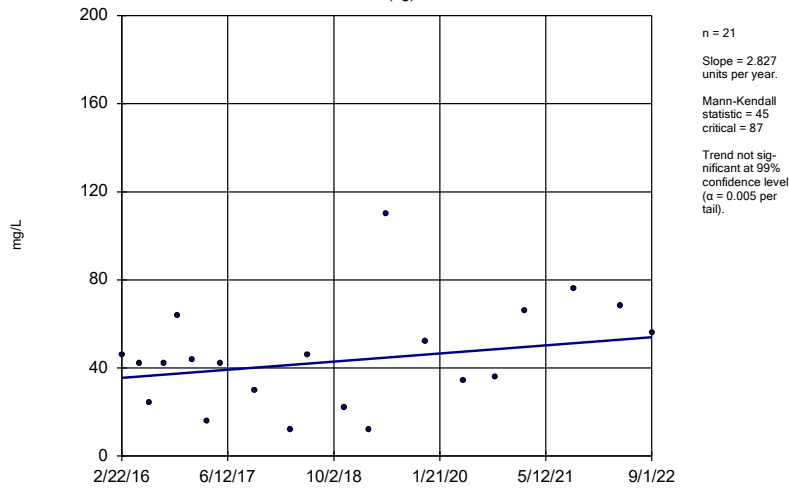
MW-2 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 9:47 AM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

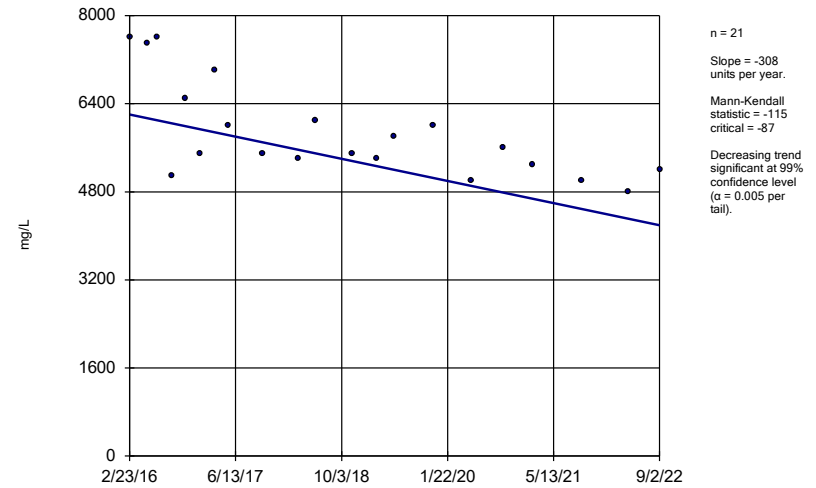
MW-3 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 9:47 AM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-6



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/13/2023 9:47 AM View: Appendix III - Trend Tes
Plant Smith Client: FPL Data: Plant Smith CCR

Sen's Slope Estimator

MW-7

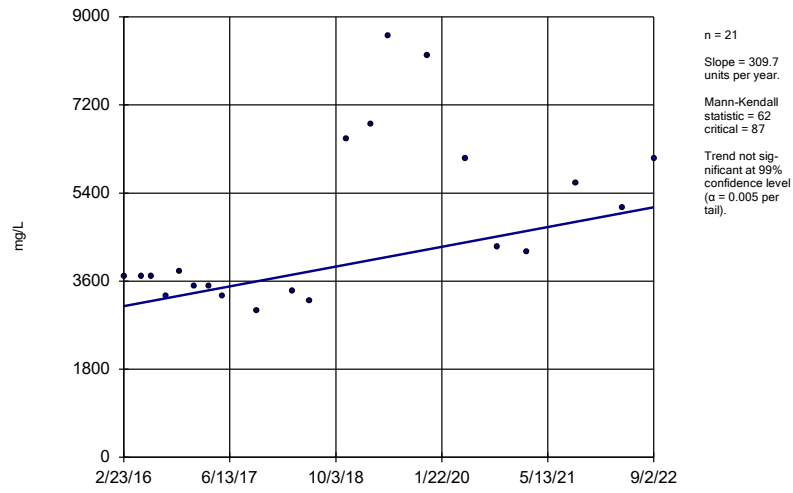


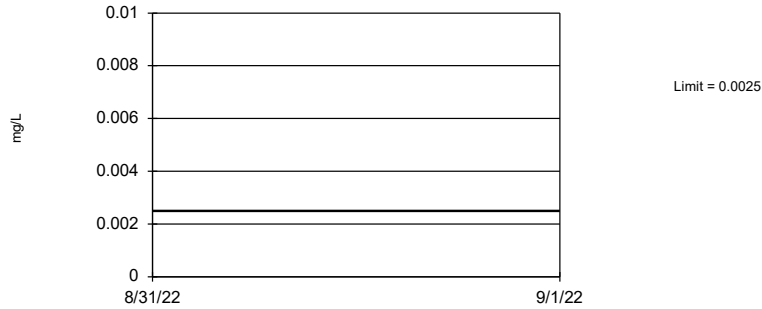
FIGURE I.

Upper Tolerance Limit Summary Table

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:31 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0025	n/a	n/a	n/a	n/a 48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	0.0014	n/a	n/a	n/a	n/a 60	n/a	n/a	95	n/a	n/a	0.04607	NP Inter(NDs)
Barium (mg/L)	0.02769	n/a	n/a	n/a	n/a 60	0.01698	0.005309	5	None	No	0.05	Inter
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a 57	n/a	n/a	94.74	n/a	n/a	0.05373	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a 47	n/a	n/a	100	n/a	n/a	0.08974	NP Inter(NDs)
Chromium (mg/L)	0.0074	n/a	n/a	n/a	n/a 59	n/a	n/a	47.46	n/a	n/a	0.04849	NP Inter(normality)
Cobalt (mg/L)	0.0025	n/a	n/a	n/a	n/a 53	n/a	n/a	100	n/a	n/a	0.06597	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.64	n/a	n/a	n/a	n/a 60	n/a	n/a	0	n/a	n/a	0.04607	NP Inter(normality)
Fluoride, total (mg/L)	0.28	n/a	n/a	n/a	n/a 63	n/a	n/a	26.98	n/a	n/a	0.0395	NP Inter(normality)
Lead (mg/L)	0.0013	n/a	n/a	n/a	n/a 54	n/a	n/a	96.3	n/a	n/a	0.06267	NP Inter(NDs)
Lithium (mg/L)	0.025	n/a	n/a	n/a	n/a 59	n/a	n/a	18.64	n/a	n/a	0.04849	NP Inter(normality)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a 48	n/a	n/a	97.92	n/a	n/a	0.08526	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a 60	n/a	n/a	96.67	n/a	n/a	0.04607	NP Inter(NDs)
Selenium (mg/L)	0.0013	n/a	n/a	n/a	n/a 53	n/a	n/a	94.34	n/a	n/a	0.06597	NP Inter(NDs)
Thallium (mg/L)	0.0005	n/a	n/a	n/a	n/a 47	n/a	n/a	100	n/a	n/a	0.08974	NP Inter(NDs)

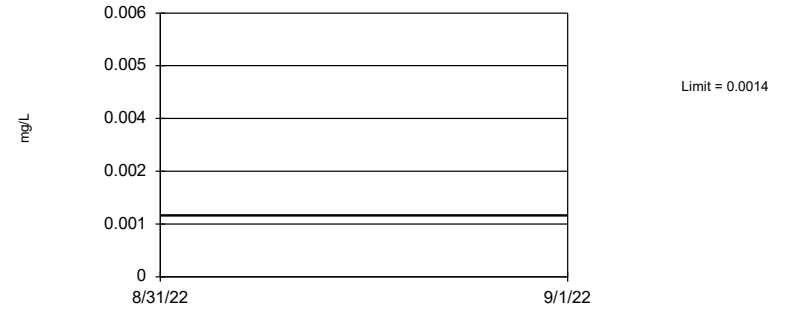
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08526.

Constituent: Antimony Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

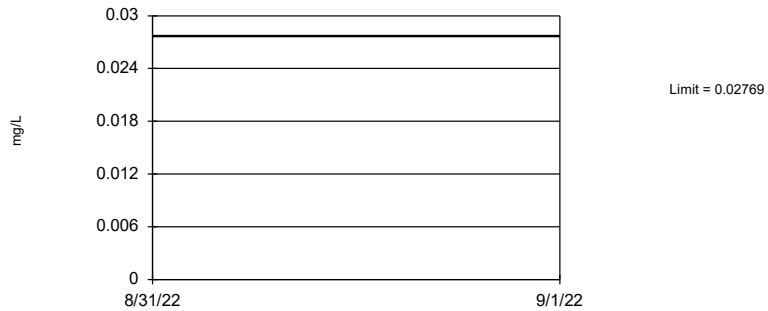
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 60 background values. 95% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04607.

Constituent: Arsenic Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

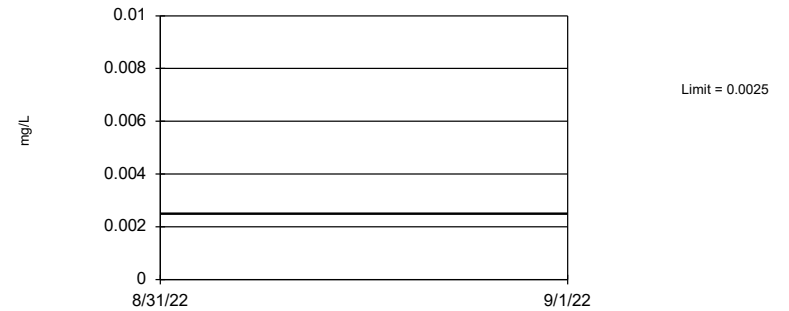
Tolerance Limit Interwell Parametric



95% coverage. Background Data Summary: Mean=0.01698, Std. Dev.=0.005309, n=60, 5% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9454, critical = 0.945. Report alpha = 0.05.

Constituent: Barium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

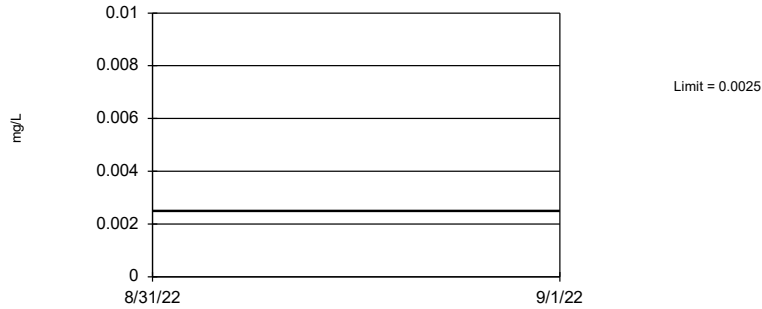
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 57 background values. 94.74% NDs. 92.38% coverage at alpha=0.01; 94.73% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.05373.

Constituent: Beryllium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

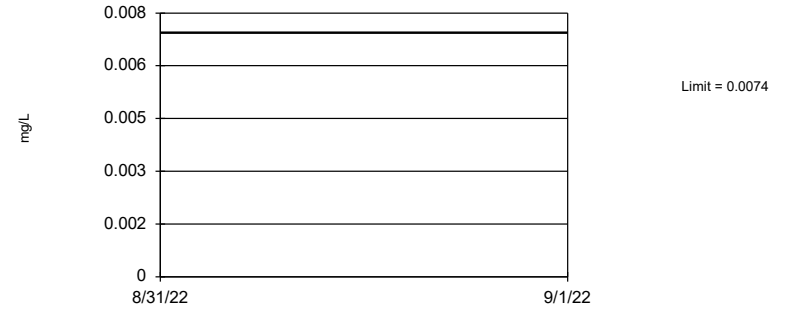
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Cadmium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

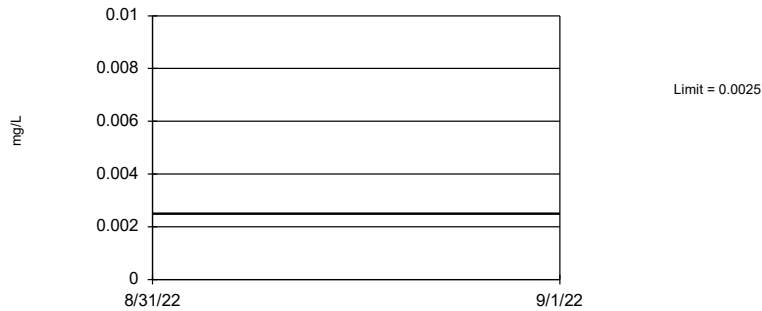
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 59 background values. 47.46% NDs. 92.38% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04849.

Constituent: Chromium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

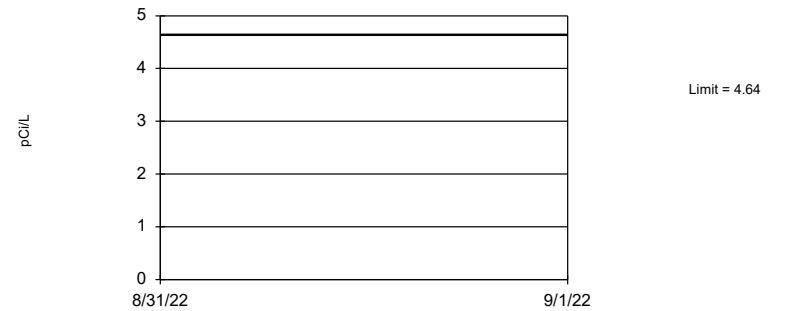
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 91.6% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.06597.

Constituent: Cobalt Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

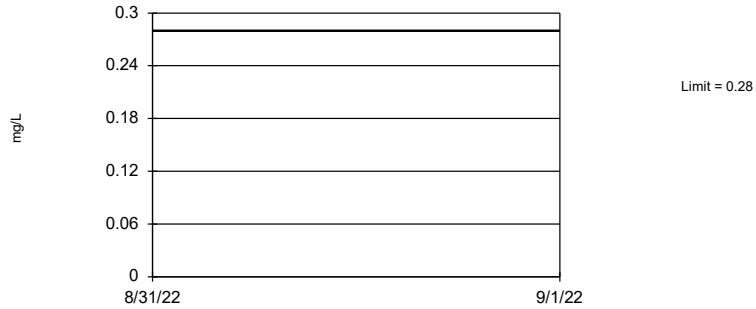
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04607.

Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

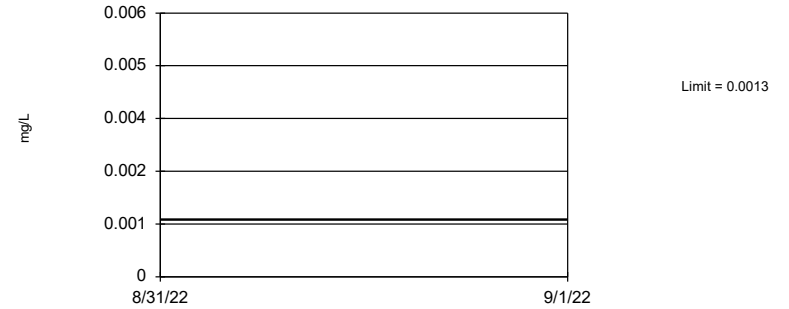
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 63 background values. 26.98% NDs. 92.77% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.0395.

Constituent: Fluoride, total Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

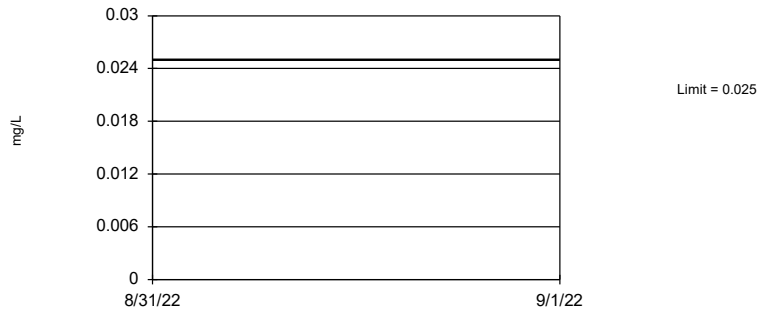
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 54 background values. 96.3% NDs. 91.99% coverage at alpha=0.01; 94.73% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.06267.

Constituent: Lead Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 59 background values. 18.64% NDs. 92.38% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04849.

Constituent: Lithium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

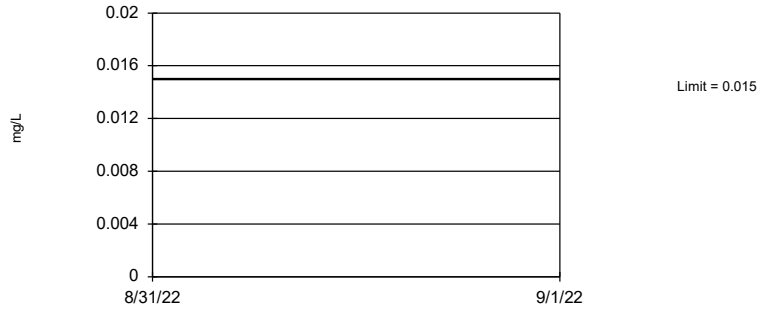
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 48 background values. 97.92% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08526.

Constituent: Mercury Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

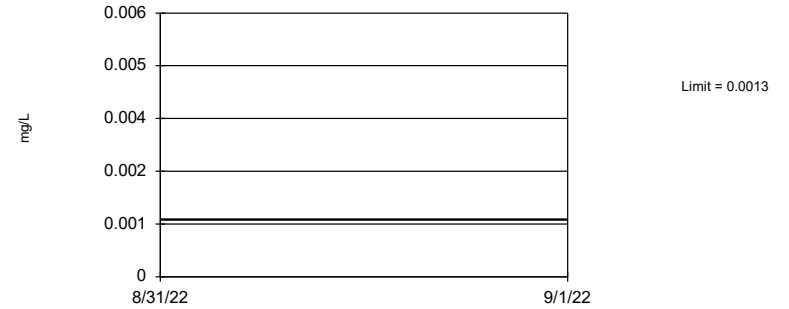
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 60 background values. 96.67% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04607.

Constituent: Molybdenum Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

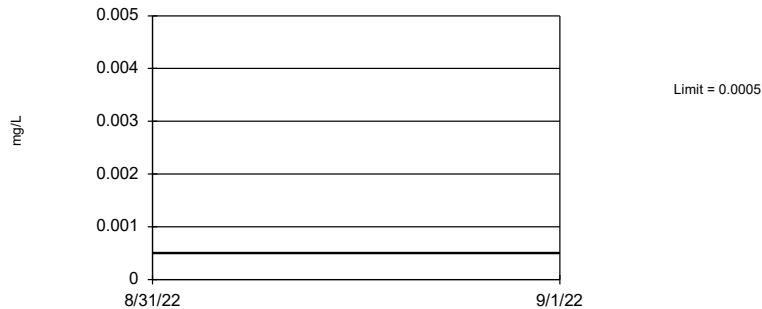
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 53 background values. 94.34% NDs. 91.6% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.06597.

Constituent: Selenium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08974.

Constituent: Thallium Analysis Run 1/13/2023 2:30 PM View: UTLs
Plant Smith Client: FPL Data: Plant Smith CCR

FIGURE J.

PLANT SMITH 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		0.0014	0.01
Barium, Total (mg/L)	2		0.028	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		0.0074	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		4.64	5
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0013	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE K.

Confidence Interval Summary Table - Significant Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:32 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-6	29.99	24.15	5	Yes	20	27.23	5.392	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	37.2	26.1	5	Yes	20	31.65	9.779	0	None	No	0.01	Param.

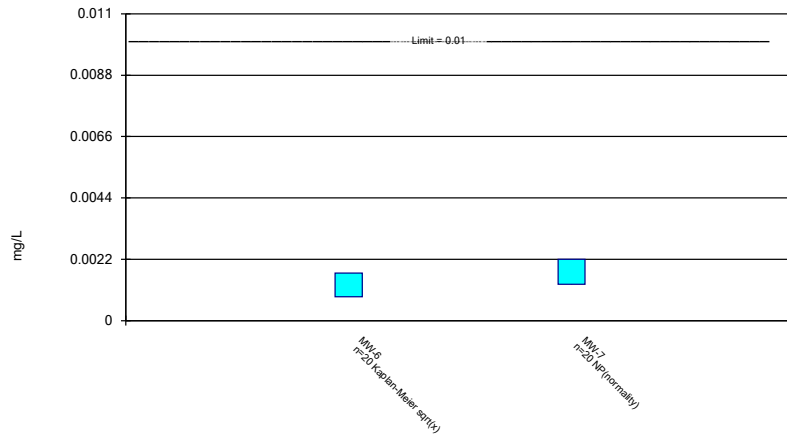
Confidence Interval Summary Table - All Results

Plant Smith Client: FPL Data: Plant Smith CCR Printed 1/13/2023, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-6	0.00171	0.0008524	0.01	No	20	0.001457	0.0007858	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-7	0.0022	0.0013	0.01	No	20	0.001845	0.001036	30	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07146	0.06044	2	No	20	0.06595	0.009698	5	None	No	0.01	Param.
Barium (mg/L)	MW-7	0.1122	0.07001	2	No	20	0.0911	0.03713	5	None	No	0.01	Param.
Beryllium (mg/L)	MW-6	0.001362	0.0008066	0.004	No	19	0.001417	0.0006454	15.79	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	MW-7	0.0025	0.00022	0.004	No	19	0.002259	0.000722	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-6	0.0025	0.0019	0.1	No	19	0.002405	0.0003009	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-7	0.002722	0.001216	0.1	No	19	0.002668	0.001421	36.84	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00029	0.006	No	18	0.002377	0.0005209	94.44	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-6	29.99	24.15	5	Yes	20	27.23	5.392	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	37.2	26.1	5	Yes	20	31.65	9.779	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-6	0.14	0.04	4	No	21	0.08357	0.04629	38.1	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-7	0.14	0.047	4	No	21	0.1213	0.03956	80.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.01956	0.01135	0.04	No	19	0.01546	0.00701	5.263	None	No	0.01	Param.
Lithium (mg/L)	MW-7	0.005	0.0023	0.04	No	19	0.004195	0.001352	68.42	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-6	0.015	0.0011	0.1	No	20	0.0143	0.003108	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-7	0.007867	0.004477	0.1	No	20	0.00924	0.004966	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-6	0.0013	0.0012	0.05	No	18	0.001127	0.0003836	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-7	0.0013	0.00062	0.05	No	18	0.001093	0.000404	77.78	None	No	0.01	NP (NDs)

Parametric and Non-Parametric (NP) Confidence Interval

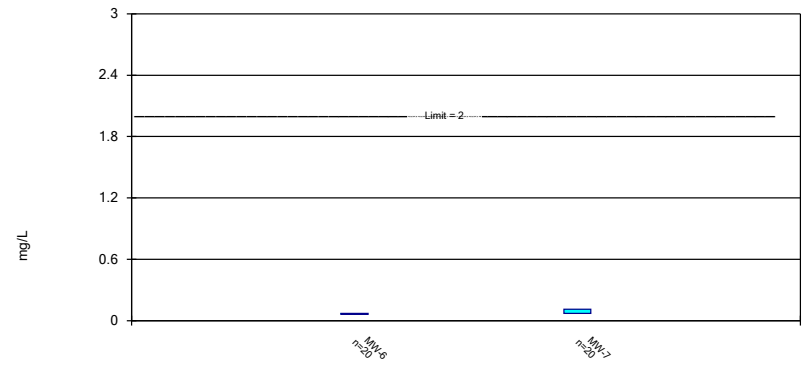
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric Confidence Interval

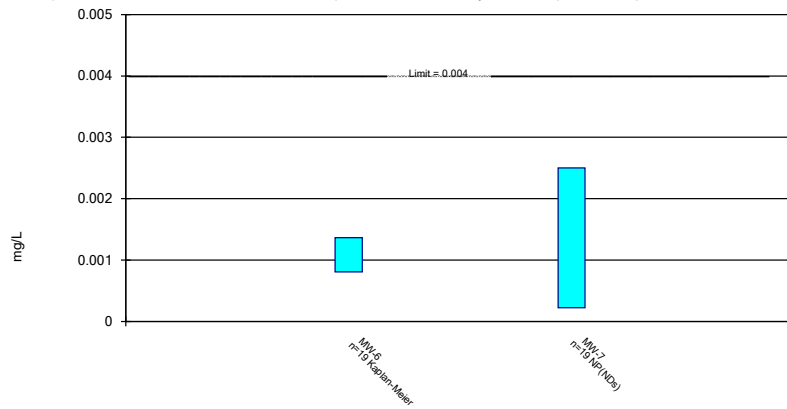
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

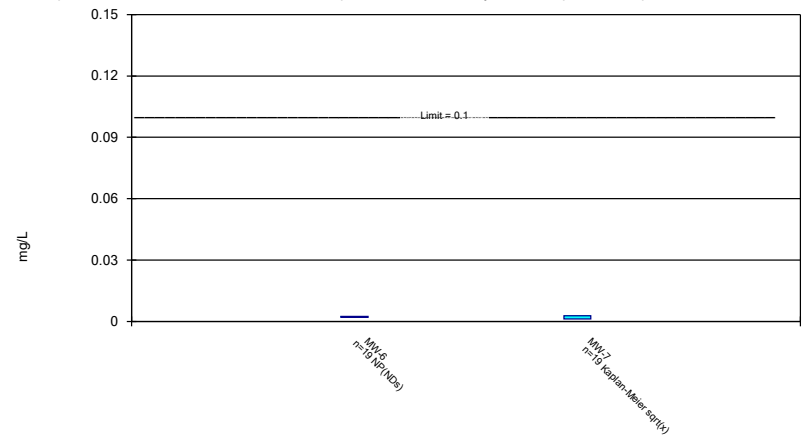
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

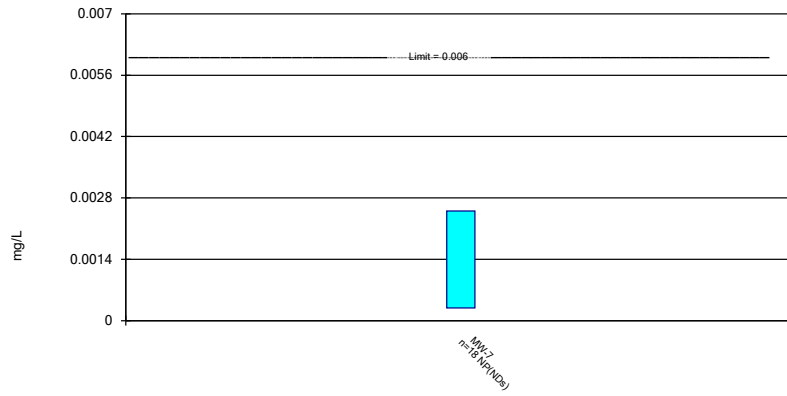
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

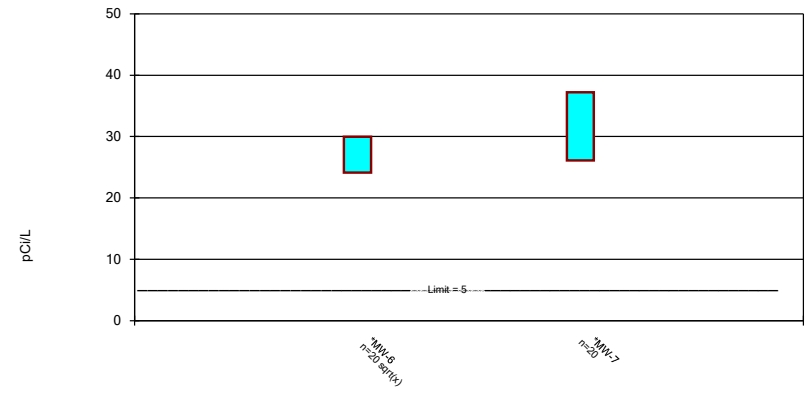
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric Confidence Interval

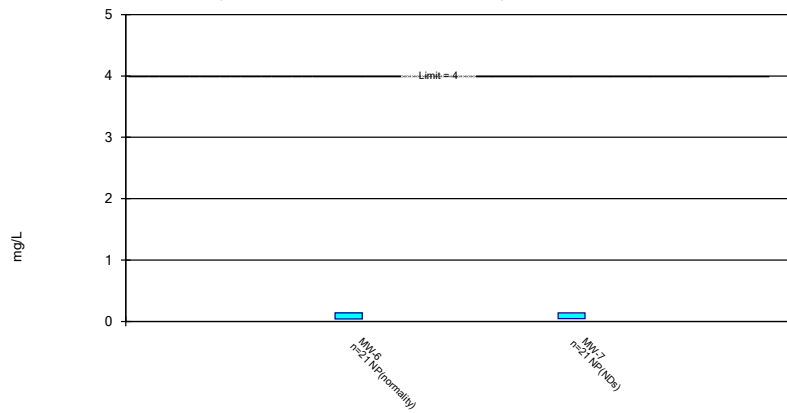
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

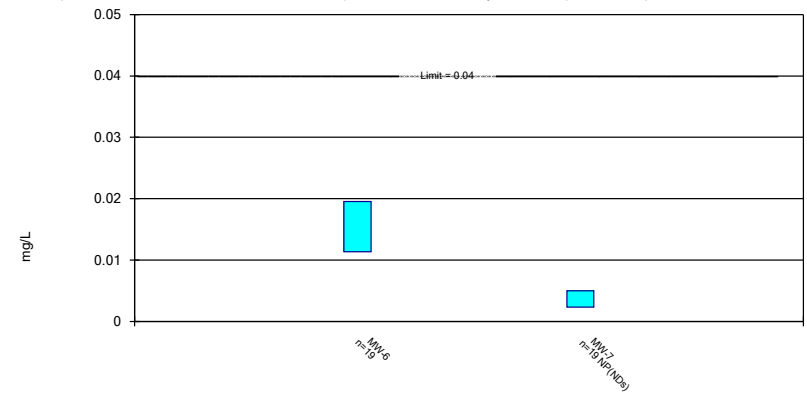
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride, total Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

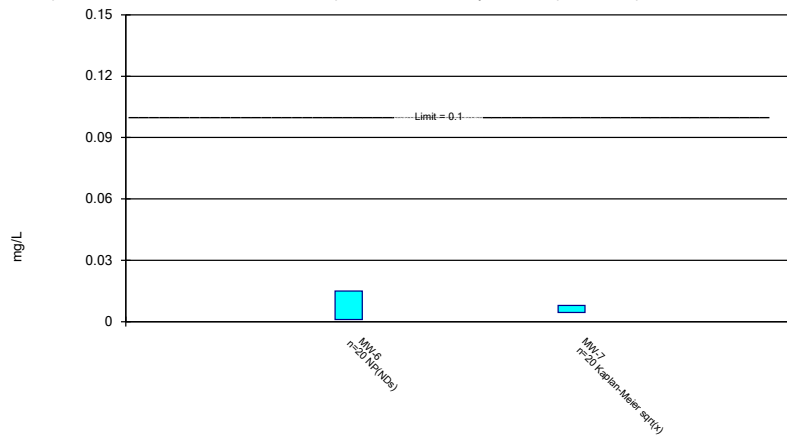
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Parametric and Non-Parametric (NP) Confidence Interval

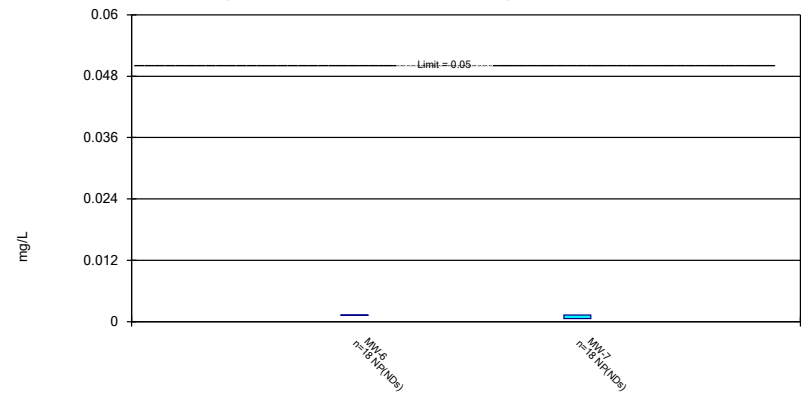
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0013	<0.0013
4/26/2016	<0.0013	<0.0013
6/28/2016	0.0014	0.0014
8/29/2016	0.00095 (J)	0.001 (J)
11/2/2016	0.0012 (J)	0.0022
1/5/2017	0.0017	0.0023
3/11/2017	<0.0013 (*)	<0.0013 (*)
5/11/2017	0.0009 (J)	
5/12/2017		0.0015
3/21/2018	0.00048 (J)	0.0014
6/8/2018	0.0009 (J)	0.0022
11/19/2018	0.00075 (J)	0.0018
3/12/2019	0.00079 (J)	0.0012 (J)
5/29/2019	<0.0013	0.00099 (J)
11/18/2019	0.0031	
11/19/2019		0.0051
5/6/2020	0.0034	<0.0013
9/30/2020	0.00096	0.0015
2/9/2021	0.0021	0.0025
9/17/2021	0.0027	0.004
4/14/2022	<0.0013	<0.0013
9/2/2022	<0.0013	<0.0013
Mean	0.001457	0.001845
Std. Dev.	0.0007858	0.001036
Upper Lim.	0.00171	0.0022
Lower Lim.	0.0008524	0.0013

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.072 (*)	<0.056 (*)
4/26/2016	0.076	0.059
6/28/2016	0.066	0.055
8/29/2016	0.073	0.059
11/2/2016	0.076	0.069
1/5/2017	0.072	0.067
3/11/2017	0.07	0.071
5/11/2017	0.067	
5/12/2017		0.065
3/21/2018	0.06	0.061
6/8/2018	0.058	0.06
11/19/2018	0.062	0.14
3/12/2019	0.06	0.15
5/29/2019	0.065	0.16
11/18/2019	0.06	
11/19/2019		0.12
5/6/2020	0.068	0.12
9/30/2020	0.064	0.093
2/9/2021	0.065	0.085
9/17/2021	0.071	0.12
4/14/2022	0.085	0.12
9/2/2022	0.065	0.12
Mean	0.06595	0.0911
Std. Dev.	0.009698	0.03713
Upper Lim.	0.07146	0.1122
Lower Lim.	0.06044	0.07001

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.0022 (J)	<0.0025
4/26/2016	0.0017 (J)	<0.0025
6/28/2016	0.0017 (J)	<0.0025
8/29/2016	<0.0025	<0.0025
11/2/2016	0.00087 (J)	<0.0025
1/5/2017	0.00039 (J)	<0.0025
3/11/2017	0.0014 (J)	<0.0025
5/11/2017	0.00093 (J)	
5/12/2017		<0.0025
3/21/2018	0.0014 (J)	<0.0025
6/8/2018	0.0014 (J)	<0.0025
11/19/2018	0.0016 (J)	<0.0025
3/12/2019	0.0012 (J)	<0.0025
11/18/2019	0.00098 (J)	
11/19/2019		0.00022 (J)
5/6/2020	0.00049 (J)	0.0002 (J)
9/30/2020	0.00089	<0.0025
2/9/2021	<0.0025	<0.0025
9/17/2021	0.0013 (I)	<0.0025
4/14/2022	<0.0025	<0.0025
9/2/2022	0.00098 (J)	<0.0025
Mean	0.001417	0.002259
Std. Dev.	0.0006454	0.000722
Upper Lim.	0.001362	0.0025
Lower Lim.	0.0008066	0.00022

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0025	<0.0025
4/26/2016	<0.0025	<0.0025
6/28/2016	<0.0025	<0.0025
8/29/2016	<0.0025	<0.0025
11/2/2016	<0.0025	<0.0025
1/5/2017	<0.0025	<0.0025 (*)
3/11/2017	<0.0025	0.0025
5/11/2017	<0.0025	
5/12/2017		0.0011 (J)
3/21/2018	<0.0025	0.0013 (J)
6/8/2018	<0.0025	0.0012 (J)
11/19/2018	<0.0025	0.0016 (J)
3/12/2019	<0.0025	0.0035
5/29/2019	<0.0025	0.0012 (J)
11/18/2019	<0.0025	
11/19/2019		0.0016 (I)
5/6/2020	<0.0025	<0.0025
9/30/2020	<0.0025	0.0034
2/9/2021	0.0013 (I)	0.0051
9/17/2021	<0.0025	0.0067
4/14/2022	<0.05 (o)	<0.05 (o)
9/2/2022	0.0019 (J)	0.004
Mean	0.002405	0.002668
Std. Dev.	0.0003009	0.001421
Upper Lim.	0.0025	0.002722
Lower Lim.	0.0019	0.001216

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-7
2/23/2016	<0.0025
4/26/2016	<0.0025
6/28/2016	<0.0025
8/29/2016	<0.0025
11/2/2016	<0.0025
1/5/2017	<0.0025
3/11/2017	<0.0025
5/12/2017	<0.0025
3/21/2018	<0.0025
6/8/2018	<0.0025
11/19/2018	<0.0025
3/12/2019	<0.0025
5/6/2020	0.00029 (J)
9/30/2020	<0.0025
2/9/2021	<0.0025
9/17/2021	<0.0025
4/14/2022	<0.0025
9/2/2022	<0.0025
Mean	0.002377
Std. Dev.	0.0005209
Upper Lim.	0.0025
Lower Lim.	0.00029

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	32.3	25.8
4/26/2016	39.3	25.4
6/28/2016	40.9	27.5
8/29/2016	18.9	26.7
11/2/2016	32	25.4
1/5/2017	25.1	27.4
3/11/2017	28.8	24.4
5/11/2017	25.5	
5/12/2017		20.7
3/21/2018	24.5	19.3
6/8/2018	26.9	21.6
11/19/2018	27.4	53.5
3/12/2019	25.9	46.3
5/29/2019	24.7	49.7
11/18/2019	24.8	
11/19/2019		42
5/6/2020	21.8	33.8
9/30/2020	26.4	29.1
2/9/2021	22.1	26.8
9/17/2021	27.9	35.2
4/14/2022	24.9	37.8
9/2/2022	24.4	34.6
Mean	27.23	31.65
Std. Dev.	5.392	9.779
Upper Lim.	29.99	37.2
Lower Lim.	24.15	26.1

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.085 (J)	0.047 (J)
4/26/2016	0.05 (J)	0.04 (J)
6/28/2016	0.05 (J)	<0.14
8/29/2016	<0.14	0.04 (J)
11/2/2016	<0.14	<0.14
1/5/2017	<0.14	<0.14
3/11/2017	0.04 (J)	<0.14
5/11/2017	0.04 (J)	
5/12/2017		0.04 (J)
10/12/2017	0.04	<0.14
3/21/2018	0.05 (J)	<0.14
6/8/2018	0.05 (J)	<0.14
11/19/2018	0.04 (J)	<0.14
3/12/2019	0.05 (J)	<0.14
5/29/2019	0.05 (J)	<0.14
11/18/2019	0.05 (I)	
11/19/2019		<0.14
5/6/2020	<0.14	<0.14
9/30/2020	<0.14	<0.14
2/9/2021	0.04 (I)	<0.14
9/17/2021	<0.14	<0.14
4/14/2022	<0.14	<0.14
9/2/2022	<0.14	<0.14
Mean	0.08357	0.1213
Std. Dev.	0.04629	0.03956
Upper Lim.	0.14	0.14
Lower Lim.	0.04	0.047

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.029	<0.005
4/26/2016	0.019 (J)	<0.005
6/28/2016	0.02	<0.005
8/29/2016	<0.005	<0.005
11/2/2016	0.013	<0.005
1/5/2017	0.0047 (J)	<0.005
3/11/2017	0.018	<0.005
5/11/2017	0.011	
5/12/2017		<0.005
3/21/2018	0.019	0.0023 (J)
6/8/2018	0.014	0.0018 (J)
11/19/2018	0.024	0.0047 (J)
3/12/2019	0.017	0.002 (J)
5/29/2019	0.012	0.002 (J)
11/18/2019	0.028 (I)	
11/19/2019		<0.005
5/6/2020	0.0085	0.0019
9/30/2020	0.01	<0.005
2/9/2021	0.015 (I)	<0.005
9/17/2021	0.012	<0.005
4/14/2022	<0.1 (o)	<0.1 (o)
9/2/2022	0.017	<0.005
Mean	0.01546	0.004195
Std. Dev.	0.00701	0.001352
Upper Lim.	0.01956	0.005
Lower Lim.	0.01135	0.0023

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV

Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	0.0011 (J)	0.0042 (J)
4/26/2016	<0.015	<0.015
6/28/2016	<0.015	0.0061 (J)
8/29/2016	<0.015	0.005 (J)
11/2/2016	<0.015	0.0066 (J)
1/5/2017	<0.015	0.0087 (J)
3/11/2017	<0.015 (*)	<0.015 (*)
5/11/2017	<0.015	
5/12/2017		<0.015 (*)
3/21/2018	<0.015	0.0058 (J)
6/8/2018	<0.015	0.0067 (J)
11/19/2018	<0.015	<0.015
3/12/2019	<0.015	<0.015
5/29/2019	<0.015	0.0033 (J)
11/18/2019	<0.015	
11/19/2019		0.0068 (I)
5/6/2020	<0.015	0.012
9/30/2020	<0.015	0.0061
2/9/2021	<0.015	0.017
9/17/2021	<0.015	<0.015
4/14/2022	<0.015	0.0031 (J)
9/2/2022	<0.015	0.0034 (J)
Mean	0.0143	0.00924
Std. Dev.	0.003108	0.004966
Upper Lim.	0.015	0.007867
Lower Lim.	0.0011	0.004477

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/13/2023 2:32 PM View: Appendix IV
Plant Smith Client: FPL Data: Plant Smith CCR

	MW-6	MW-7
2/23/2016	<0.0013	<0.0013
4/26/2016	<0.0013	<0.0013
6/28/2016	<0.0013 (*)	<0.0013 (*)
8/29/2016	0.00027 (J)	0.0003 (J)
11/2/2016	<0.0013	<0.0013
1/5/2017	0.0012 (J)	0.00028 (J)
3/11/2017	<0.0013 (*)	<0.0013
5/11/2017	<0.0013	
5/12/2017		<0.0013
3/21/2018	0.00037 (J)	0.00062 (J)
6/8/2018	0.00025 (J)	0.00028 (J)
11/19/2018	<0.0013	<0.0013
3/12/2019	<0.0013	<0.0013
5/6/2020	<0.0013	<0.0013
9/30/2020	<0.0013	<0.0013
2/9/2021	<0.0013	<0.0013
9/17/2021	<0.0013	<0.0013
4/14/2022	<0.0013	<0.0013
9/2/2022	<0.0013	<0.0013
Mean	0.001127	0.001093
Std. Dev.	0.0003836	0.000404
Upper Lim.	0.0013	0.0013
Lower Lim.	0.0012	0.00062